



June 6, 2005

SECOR International, Inc.  
3017 Kilgore Road, Suite 100  
Rancho Cordova, CA 95670

ATTN: MR. THOMAS POTTER  
  
SITE: BULK PLANT 0220  
720 NORTH FRANKLIN STREET  
FORT BRAGG, CALIFORNIA  
  
RE: QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005

This Quarterly Monitoring Report for Bulk Plant 0220 is being sent to you for your review and comment. If no comments are received by **June 13, 2005**, all copies of this report will be sent to you for distribution.

Please send all comments to me at [dlee@trcsolutions.com](mailto:dlee@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7382.

Sincerely,

TRC

A handwritten signature in black ink that reads "Daniel Lee".

Daniel Lee  
Technical Writer





June 6, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: BULK PLANT 0220  
720 NORTH FRANKLIN STREET  
FORT BRAGG, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Bulk Plan 0220, located at 720 North Franklin Street, Fort Bragg, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink that reads "Anju Farfan".

Anju Farfan  
QMS Operations Manager

CC: Mr. Thomas Potter, SECOR International, Inc. (4 copies)

Enclosures  
20-0400/0220R07.QMS





**QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005**

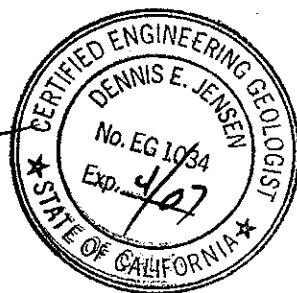
BULK PLANT 0220  
720 North Franklin Street  
Fort Bragg, California

Prepared For:

Mr. Thomas Kosel  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, CA 95818

By:

A handwritten signature of "Dennis E. Jensen" is written in cursive across the left side of the stamp.



Senior Project Geologist, Irvine Operations  
June 3, 2005

## LIST OF ATTACHMENTS

<b>Summary Sheet</b>	Summary of Gauging and Sampling Activities
<b>Tables</b>	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results Table 3b: Additional Analytical Results Table 4: Headspace Measurements
<b>Figures</b>	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map Figure 6: Dissolved-Phase TPH-D Concentration Map
<b>Graphs</b>	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
<b>Field Activities</b>	General Field Procedures Groundwater Sampling Field Notes
<b>Laboratory Reports</b>	Official Laboratory Reports Quality Control Reports Chain of Custody Records
<b>Statements</b>	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**April 2005 through June 2005**  
**Bulk Plant 0220**  
**720 North Franklin Street**  
**Fort Bragg, CA**

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Project Coordinator: **Thomas Kosei** Water Sampling Contractor: **TRC**  
Telephone: **916-558-7666** Compiled by: **Daniel Lee**

Date(s) of Gauging/Sampling Event: **05/05/05**

**Sample Points**

Groundwater wells: **6** onsite, **6** offsite      Wells gauged: **12**      Wells sampled: **4**  
Purging method: **Diaphragm pump**  
Purge water disposal: **Onyx/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

**Liquid Phase Hydrocarbons (LPH)**

Wells with LPH: **0**      Maximum thickness (feet): **n/a**  
LPH removal frequency: **n/a**      Method: **n/a**  
Treatment or disposal of water/LPH: **n/a**

**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **8.61 feet**      Maximum: **13.3 feet**  
Average groundwater elevation (relative to available local datum): **65.44 feet**  
Average change in groundwater elevation since previous event: **-0.60 feet**  
Interpreted groundwater gradient and flow direction:

Current event: **0.02 ft/ft, northwest**  
Previous event: **0.02 ft/ft, northwest (02/03/05)**

**Selected Laboratory Results**

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Wells with detected **Benzene**: **0**      Wells above MCL (1.0 µg/l): **n/a**  
Maximum reported benzene concentration: **n/a**

Wells with **TPH-D**      **4**      Maximum: **18,000 µg/l (MW-4)**  
Wells with **TPPH 8260B**      **3**      Maximum: **11,000 µg/l (MW-4)**  
Wells with **MTBE**      **0**

**Notes:**

MW-10=Sampled semi-annually, MW-12=Sampled semi-annually, MW-2=Sampled semi-annually,  
MW-3=Sampled semi-annually, MW-5=Monitor only, MW-6=Sampled annually, MW-7=Sampled  
annually, MW-9=Sampled annually,

## TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

-	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

### ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

### NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (D<sub>p</sub> x LPH Thickness), where D<sub>p</sub> is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

### REFERENCE

TRC began groundwater monitoring and sampling Bulk Plant 0220 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

May 5, 2005

**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (S260B)	TPPH (S260B)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1</b> (Screen Interval in feet: 10.5-20.5)															
05/05/05	77.64	11.43	0.00	66.21	-0.51	230	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-2</b> (Screen Interval in feet: 10.5-25.5)	05/05/05	77.98	11.41	0.00	66.57	-0.62	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-3</b> (Screen Interval in feet: 10.0-22.0)	05/05/05	76.82	11.38	0.00	65.44	-0.57	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-4</b> (Screen Interval in feet: 10.0-20.0)	05/05/05	78.95	11.95	0.00	67.00	-0.49	18000	--	11000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<5.0
<b>MW-5</b> (Screen Interval in feet: 10.0-20.0)	05/05/05	79.77	13.30	0.00	66.47	-1.01	--	--	--	--	--	--	--	--	Monitor only
<b>MW-6</b> (Screen Interval in feet: 8.0-18.0)	05/05/05	76.32	9.96	0.00	66.36	-0.67	--	--	--	--	--	--	--	--	Sampled annually
<b>MW-7</b> (Screen Interval in feet: 8.0-18.0)	05/05/05	77.90	9.56	0.00	68.34	-0.63	--	--	--	--	--	--	--	--	Sampled annually
<b>MW-8</b> (Screen Interval in feet: 6.0-18.0)	05/05/05	74.58	9.97	0.00	64.61	-0.72	13000	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50
<b>MW-9</b> (Screen Interval in feet: 9.0-20.0)	05/05/05	73.31	8.61	0.00	64.70	-0.66	--	--	--	--	--	--	--	--	Sampled annually
<b>MW-10</b> (Screen Interval in feet: 4.0-19.0)	05/05/05	72.23	9.33	0.00	62.90	-0.30	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-11</b> (Screen Interval in feet: 4.0-20.0)	05/05/05	73.76	9.92	0.00	63.84	-0.57	68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50
<b>MW-12</b> (Screen Interval in feet: 4.0-19.0)	05/05/05	72.96	10.11	0.00	62.85	-0.43	--	--	--	--	--	--	--	--	Sampled semi-annually

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 (Screen Interval in feet: 10.5-20.5)</b>															
02/07/89	--	--	--	--	--	120000	4900	--	31	12	26	53	--	--	
08/03/89	--	--	--	--	--	5000	270	--	ND	ND	ND	ND	--	--	
10/26/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/26/90	--	--	--	--	--	1200	1500	--	50	23	1.0	100	--	--	
04/30/90	--	--	--	--	--	1100	690	--	0.89	ND	1.8	0.59	--	--	
07/30/90	--	--	--	--	--	1100	740	--	2.0	3.2	3.7	1.1	--	--	
10/29/90	--	--	--	--	--	330	ND	--	ND	0.74	ND	ND	--	--	
01/29/91	--	--	--	--	--	940	94	--	ND	ND	ND	ND	--	--	
04/26/91	--	--	--	--	--	290	ND	--	ND	ND	ND	ND	--	--	
07/19/91	--	--	--	--	--	3500	ND	--	ND	ND	ND	ND	--	--	
10/21/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
01/21/92	--	--	--	--	--	250	220	--	ND	ND	0.61	2.4	0.66	--	
04/24/92	--	--	--	--	--	330	ND	--	ND	ND	ND	ND	--	--	
07/28/92	--	--	--	--	--	420	ND	--	ND	ND	ND	ND	--	--	
10/26/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
01/27/93	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
04/30/93	77.32	11.43	0.00	65.89	--	180	220	--	ND	ND	ND	ND	--	--	
07/29/93	77.32	13.32	0.00	64.00	-1.89	180	ND	--	ND	ND	ND	ND	--	--	
10/27/93	77.10	14.50	0.00	62.60	-1.40	130	150	--	ND	ND	ND	ND	--	--	
01/24/94	77.10	12.28	0.00	64.82	2.22	200	90	--	ND	ND	ND	ND	--	--	
04/15/94	77.10	11.73	0.00	65.37	0.55	270	180	--	ND	ND	ND	ND	--	--	
09/14/94	77.10	14.52	0.00	62.58	-2.79	80	ND	--	ND	1.3	ND	1.0	--	--	
02/10/95	77.10	8.74	0.00	68.36	5.78	190	110	--	ND	ND	0.66	ND	--	--	

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 continued</b>															
08/22/95	77.10	13.75	0.00	63.35	5.01	95	120	-	ND	ND	ND	ND	0.65	--	--
02/27/96	77.10	9.32	0.00	67.78	4.43	500	190	-	ND	ND	ND	ND	0.57	--	--
08/27/96	77.08	13.80	0.00	63.28	--	79	ND	-	ND	ND	ND	ND	--	--	--
02/20/97	77.08	10.21	0.00	66.87	--	440	190	-	ND	ND	ND	ND	--	--	Covered by dirt
08/19/97	77.08	--	--	--	--	--	--	-	--	--	--	--	--	--	Covered by dirt
02/17/98	77.08	--	--	--	--	--	--	-	--	--	--	--	--	--	--
08/04/98	77.08	13.11	0.00	63.97	--	128	60.1	-	ND	ND	ND	ND	--	--	--
02/19/99	77.08	9.21	0.00	67.87	3.90	450	72	-	ND	ND	ND	ND	--	--	--
05/19/99	77.08	11.75	0.00	65.33	-2.54	ND	ND	-	ND	ND	ND	ND	--	--	--
08/05/99	77.08	15.48	0.00	61.60	-3.73	800	ND	-	ND	ND	ND	ND	--	--	--
11/24/99	77.08	12.10	0.00	64.98	3.38	--	--	-	--	--	--	--	--	--	Sampled semi-annually
02/15/00	77.08	9.76	0.00	67.32	2.34	5400	630	-	ND	ND	ND	ND	--	--	Sampled semi-annually
05/11/00	77.08	11.80	0.00	65.28	-2.04	--	--	-	--	--	--	--	--	--	Sampled semi-annually
08/09/00	77.08	14.60	0.00	62.48	-2.80	690	120	-	ND	ND	ND	ND	--	--	Sampled semi-annually
11/27/00	77.08	12.98	0.00	64.10	1.62	--	--	-	--	--	--	--	--	--	Sampled semi-annually
02/14/01	77.08	11.81	0.00	65.27	1.17	3960	6900	-	ND	ND	ND	ND	0.91	ND	--
05/11/01	77.08	12.04	0.00	65.04	-0.23	--	--	-	--	--	--	--	--	--	Sampled semi-annually
08/09/01	77.08	14.50	0.00	62.58	-2.46	320	55	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.8	2.5	--
11/30/01	77.08	11.63	0.00	65.45	2.87	--	--	-	--	--	--	--	--	--	Sampled semi-annually
02/07/02	77.08	10.51	0.00	66.57	1.12	3500	380	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
05/10/02	77.08	12.43	0.00	64.65	-1.92	--	--	-	--	--	--	--	--	--	Sampled semi-annually
08/15/02	77.08	14.83	0.00	62.25	-2.40	1100	100	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
11/14/02	77.08	13.84	0.00	63.24	0.99	--	--	-	--	--	--	--	--	--	Sampled semi-annually
02/13/03	77.08	10.45	0.00	66.63	3.39	37000	82	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.95	ND<2.0	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D ( $\mu\text{g/l}$ )	TPH-G 8260B ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl-benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>MW-1 continued</b>															
05/16/03	77.08	10.35	0.00	66.73	0.10	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/12/03	77.08	13.94	0.00	63.14	-3.59	270000	--	7000	ND<5.0	ND<5.0	ND<10	--	--	ND<20	Sampled Semi-annually
12/22/03	77.08	11.41	0.00	65.67	2.53	--	--	--	--	--	--	--	--	--	Inaccessible
02/24/04	77.08	--	--	--	--	--	--	--	--	--	--	--	--	--	Monitored only, sampled semi-annually
05/06/04	77.08	12.05	0.00	65.03	--	--	--	--	--	--	--	--	--	--	
08/04/04	77.40	14.03	0.00	63.37	-1.66	100	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	Sampled semi-annually
11/10/04	77.64	13.72	0.00	63.92	0.55	--	--	--	--	--	--	--	--	--	ND<0.50
02/03/05	77.64	10.92	0.00	66.72	2.80	450	--	160	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
05/05/05	77.64	11.43	0.00	66.21	-0.51	230	--	200	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
<b>MW-2 (Screen Interval in feet: 10.5-25.5)</b>															
02/07/89	--	--	--	--	--	1900	2800	--	4.1	ND	ND	7.4	--	--	
08/03/89	--	--	--	--	--	4800	74	--	ND	ND	ND	ND	--	--	
10/26/89	--	--	--	--	--	ND	1400	--	ND	ND	ND	ND	--	--	
01/26/90	--	--	--	--	--	73	480	--	0.5	1.0	1.9	9.0	--	--	
04/30/90	--	--	--	--	--	230	340	--	ND	7.1	8.2	2.4	--	--	
07/30/90	--	--	--	--	--	340	70	--	0.45	ND	2.9	0.6	--	--	
10/29/90	--	--	--	--	--	ND	ND	--	ND	3.0	ND	ND	--	--	
01/29/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
04/26/91	--	--	--	--	--	71	ND	--	ND	ND	ND	ND	--	--	
07/19/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
10/21/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
01/21/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	
04/24/92	--	--	--	--	--	77	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-2 continued</b>															
07/28/92	--	--	--	--	--	61	ND	ND	ND	ND	ND	ND	ND	ND	--
10/26/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
01/27/93	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
04/30/93	77.94	11.42	0.00	66.52	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
07/29/93	77.94	13.13	0.00	64.81	-1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
10/27/93	77.52	14.11	0.00	63.41	-1.40	--	--	--	--	--	--	--	--	--	--
01/24/94	77.52	12.20	0.00	65.32	1.91	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
04/15/94	77.52	11.50	0.00	66.02	0.70	--	--	--	--	--	--	--	--	--	--
09/14/94	77.52	14.10	0.00	63.42	-2.60	70	ND	ND	ND	ND	ND	ND	ND	ND	--
02/10/95	77.52	8.68	0.00	68.84	5.42	ND	ND	ND	ND	ND	ND	ND	ND	1.2	--
08/22/95	77.52	13.45	0.00	64.07	-4.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/27/96	77.52	9.20	0.00	68.32	4.25	110	ND	ND	ND	ND	ND	ND	ND	ND	--
08/27/96	77.52	13.54	0.00	63.98	--	ND	ND	ND	ND	ND	ND	ND	ND	8.0	--
02/20/97	77.52	10.00	0.00	67.52	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
08/19/97	77.52	13.64	0.00	63.88	-3.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/17/98	77.52	8.28	0.00	69.24	5.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
08/04/98	77.52	12.92	0.00	64.60	-4.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/19/99	77.52	8.81	0.00	68.71	4.11	ND	ND	ND	ND	ND	ND	ND	1.6	ND	--
05/19/99	77.52	11.57	0.00	65.95	-2.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
08/05/99	77.52	14.47	0.00	63.05	-2.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
11/24/99	77.52	11.95	0.00	65.57	2.52	--	--	--	--	--	--	--	--	--	--
02/15/00	77.52	9.53	0.00	67.99	2.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3
05/11/00	77.52	11.60	0.00	65.92	-2.07	--	--	--	--	--	--	--	--	--	6.3
08/09/00	77.52	14.47	0.00	63.05	-2.87	320	270	--	ND	ND	ND	ND	ND	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-2 continued</b>															
11/27/00	77.52	12.73	0.00	64.79	1.74	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/14/01	77.52	11.60	0.00	65.92	1.13	ND	ND	--	ND	ND	ND	ND	ND	--	Sampled semi-annually
05/11/01	77.52	11.88	0.00	65.64	-0.28	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/01	77.52	14.36	0.00	63.16	-2.48	11.0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	Sampled semi-annually
11/30/01	77.52	11.50	0.00	66.02	2.86	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/07/02	77.52	10.25	0.00	67.27	1.25	79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	Sampled semi-annually
05/10/02	77.52	12.32	0.00	65.20	-2.07	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/15/02	77.52	14.69	0.00	62.83	-2.37	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	Sampled semi-annually
11/14/02	77.52	13.68	0.00	63.84	1.01	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/13/03	77.52	10.25	0.00	67.27	3.43	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--	Sampled semi-annually
05/16/03	77.52	10.17	0.00	67.35	0.08	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/12/03	77.52	13.76	0.00	63.76	-3.59	66	--	--	770	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0
12/22/03	77.52	11.12	0.00	66.40	2.64	--	--	--	--	--	--	--	--	--	Sampled Semi-annually
02/24/04	77.52	9.41	0.00	68.11	1.71	ND<50	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0
05/06/04	77.52	11.84	0.00	65.68	-2.43	--	--	--	--	--	--	--	--	--	Monitored only, sampled semi-annually
08/04/04	77.98	13.89	0.00	64.09	-1.59	11.0	--	--	57	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50
11/10/04	77.98	13.92	0.00	64.06	-0.03	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/03/05	77.98	10.79	0.00	67.19	3.13	--	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50
05/05/05	77.98	11.41	0.00	66.57	-0.62	--	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-3 (Screen Interval in feet: 10.0-22.0)</b>															
02/07/89	--	--	--	--	--	8100	7700	--	7.1	1.6	1.9	9.7	--	--	--
08/03/89	--	--	--	--	--	3500	490	--	ND	ND	ND	ND	--	--	--
10/26/89	--	--	--	--	--	ND	2400	--	ND	ND	ND	ND	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>															
01/26/90	--	--	--	--	--	210	93	--	ND	ND	ND	ND	ND	ND	--
04/30/90	--	--	--	--	--	80	120	--	ND	ND	3.8	ND	ND	ND	--
07/30/90	--	--	--	--	--	310	160	--	ND	ND	2.1	ND	ND	ND	--
10/29/90	--	--	--	--	--	220	34	--	ND	10	ND	ND	ND	ND	--
01/29/91	--	--	--	--	--	89	ND	--	ND	ND	ND	ND	ND	ND	--
04/26/91	--	--	--	--	--	170	ND	--	ND	ND	ND	ND	ND	ND	--
07/19/91	--	--	--	--	--	69	ND	--	ND	ND	ND	ND	ND	ND	Inaccessible
10/21/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/21/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/28/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/26/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/27/93	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/93	76.81	11.46	0.00	65.35	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/29/93	76.81	13.01	0.00	63.80	-1.55	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/27/93	76.33	13.68	0.00	62.65	-1.15	--	--	--	--	--	--	--	--	--	Sampled semi-annually
01/24/94	76.33	11.78	0.00	64.55	1.90	170	ND	--	ND	ND	ND	ND	ND	ND	--
04/15/94	76.33	11.40	0.00	64.93	0.38	--	--	--	--	--	--	--	--	--	--
09/14/94	76.33	13.68	0.00	62.65	-2.28	85	ND	--	ND	ND	1.4	ND	ND	ND	--
02/10/95	76.33	8.33	0.00	68.00	5.35	ND	ND	--	ND	ND	ND	ND	ND	ND	--
08/22/95	76.33	13.09	0.00	63.24	-4.76	ND	ND	--	ND	ND	ND	ND	ND	ND	--
02/27/96	76.33	9.05	0.00	67.28	4.04	61	ND	--	ND	ND	ND	ND	ND	ND	--
08/27/96	76.32	13.16	0.00	63.16	--	ND	ND	--	ND	ND	8.1	ND	ND	ND	--
02/20/97	76.32	9.88	0.00	66.44	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>															
08/19/97	76.32	13.29	0.00	63.03	-3.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/17/98	76.32	7.97	0.00	68.35	5.32	1100	ND	--	ND	ND	ND	ND	ND	--	--
08/04/98	76.32	12.70	0.00	63.62	-4.73	ND	ND	--	ND	ND	ND	ND	ND	--	--
02/19/99	76.32	8.67	0.00	67.65	4.03	ND	ND	--	ND	ND	ND	ND	ND	--	--
05/19/99	76.32	11.52	0.00	64.80	-2.85	ND	ND	--	ND	ND	ND	ND	ND	--	--
08/05/99	76.32	13.93	0.00	62.39	-2.41	ND	ND	--	ND	ND	ND	ND	ND	--	--
11/24/99	76.32	11.68	0.00	64.64	2.25	--	--	--	--	--	--	--	--	--	--
02/15/00	76.32	9.49	0.00	66.83	2.19	8800	710	--	ND	ND	ND	ND	ND	--	--
05/11/00	76.32	11.41	0.00	64.91	-1.92	--	--	--	--	--	--	--	--	--	--
08/09/00	76.32	13.93	0.00	62.39	-2.52	14000	2400	--	ND	ND	ND	ND	ND	--	--
11/27/00	76.32	12.61	0.00	63.71	1.32	--	--	--	--	--	--	--	--	--	--
02/14/01	76.32	11.50	0.00	64.82	1.11	86.3	ND	--	ND	ND	ND	ND	ND	--	--
05/11/01	76.32	11.79	0.00	64.53	-0.29	--	--	--	--	--	--	--	--	--	--
08/09/01	76.32	13.88	0.00	62.44	-2.09	990	1200	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
11/30/01	76.32	11.01	0.00	65.31	2.87	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
02/07/02	76.32	10.17	0.00	66.15	0.84	110	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
05/10/02	76.32	12.14	0.00	64.18	-1.97	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
08/15/02	76.32	14.17	0.00	62.15	-2.03	3300	1400	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
11/14/02	76.32	13.33	0.00	62.99	0.84	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
02/13/03	76.32	13.09	0.00	63.23	0.24	280	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
05/16/03	76.32	10.06	0.00	66.26	3.03	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
08/12/03	76.32	13.42	0.00	62.90	-3.36	490	--	3200	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	ND<20
12/22/03	76.32	11.22	0.00	65.10	2.20	--	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	Sampled Semi-annually
02/24/04	76.32	9.26	0.00	67.06	1.96	ND<50	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D	TPH-G	TPPH 8260B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
<b>MW-3 continued</b>															
05/06/04	76.32	11.78	0.00	64.54	-2.52	--	--	--	--	--	--	--	--	--	Monitored only, sampled semi-annually
08/04/04	76.82	13.71	0.00	63.11	-1.43	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/10/04	76.82	13.63	0.00	63.19	0.08	500	--	84	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
02/03/05	76.82	10.81	0.00	66.01	2.82	230	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/05/05	76.82	11.38	0.00	65.44	-0.57	--	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-4 (Screen Interval in feet: 10.0-20.0)</b>															
02/07/89	--	--	--	--	--	160000	8800	--	87	3.9	3.9	280	--	--	
08/03/89	--	--	--	--	--	50000	3300	--	ND	ND	ND	ND	--	--	
10/26/89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to construction
01/26/90	--	--	--	--	--	94000	17000	--	140	150	25	300	--	--	
04/30/90	--	--	--	--	--	10000	2200	--	4.9	1.8	2.4	4.3	--	--	
07/30/90	--	--	--	--	--	12000	2700	--	4.6	4.4	3.9	7.1	--	--	
10/29/90	--	--	--	--	--	21000	1300	--	6.2	3.4	2.6	4.0	--	--	
01/29/91	--	--	--	--	--	47000	6500	--	2.1	ND	3.1	4.6	--	--	
04/26/91	--	--	--	--	--	2800	1600	--	ND	ND	ND	8.1	--	--	
07/19/91	--	--	--	--	--	34000	1500	--	1.2	2.3	1.3	1.7	--	--	
10/21/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of a sheen
01/21/92	--	--	--	--	--	18000	590	--	1.0	0.62	0.69	2.3	--	--	
04/24/92	--	--	--	--	--	22000	4400	--	ND	ND	ND	ND	--	--	
07/28/92	--	--	--	--	--	28000	850	--	0.98	1.1	1.4	1.1	--	--	Not sampled - presence of free product
10/26/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>															
01/27/93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Not sampled - presence of free product
04/30/93	79.24	12.38	0.00	66.86	—	47000	2900	—	ND	ND	ND	ND	ND	—	Sheen
07/29/93	79.24	14.27	0.00	64.97	-1.89	260000	1200	—	5.2	ND	ND	3.2	—	—	Sheen
10/27/93	78.93	15.48	0.00	63.45	-1.52	22000	1800	—	ND	ND	ND	ND	—	—	Sheen
01/24/94	78.93	13.55	0.00	65.38	1.93	27000	940	—	ND	ND	ND	2.8	—	—	Sheen
04/15/94	78.93	12.69	0.00	66.24	0.86	17000	3200	—	ND	ND	ND	2.6	10	—	—
09/14/94	78.93	15.50	0.00	63.43	-2.81	18000	3400	—	ND	19	ND	27	—	—	Sheen
02/10/95	78.93	9.60	0.00	69.33	5.90	38000	81000	—	ND	ND	ND	ND	—	—	Sheen
08/22/95	78.93	14.76	0.00	64.17	-5.16	48000	18000	—	ND	ND	ND	22	24	—	—
02/27/96	78.93	9.11	0.00	69.82	5.65	260000	9500	—	ND	ND	ND	3.2	1.7	—	Sheen
08/27/96	78.95	14.75	0.00	64.20	—	130000	110000	—	ND	ND	ND	ND	—	—	Sheen
02/20/97	78.95	11.06	0.00	67.89	—	ND	150000	—	ND	ND	ND	ND	—	—	Sheen
08/19/97	78.95	15.00	0.00	63.95	-3.94	88000	2300	—	ND	ND	ND	ND	—	—	Sheen
02/17/98	78.95	9.14	0.00	69.81	5.86	9000	26000	—	ND	ND	ND	ND	—	—	Sheen
08/04/98	78.95	14.06	0.00	64.89	-4.92	60000	1680	—	ND	ND	ND	ND	—	—	Sheen
02/19/99	78.95	9.56	0.00	69.39	4.50	620	730	—	ND	ND	ND	ND	—	—	Sheen
05/19/99	78.95	12.67	0.00	66.28	-3.11	ND	2400	—	ND	ND	ND	ND	—	—	Sheen
08/05/99	78.95	15.42	0.00	63.53	-2.75	110000	1200	—	ND	ND	ND	ND	—	—	Sheen
11/24/99	78.95	12.99	0.00	65.96	2.43	52000	21000	—	ND	ND	ND	ND	—	—	Sheen
02/15/00	78.95	10.32	0.00	68.63	2.67	52000	4500	—	ND	ND	ND	ND	—	—	Sheen
05/11/00	78.95	12.71	0.00	66.24	-2.39	7800	2400	—	5.2	ND	ND	18	ND	—	Sheen
08/09/00	78.95	15.47	0.02	63.49	-2.75	69000	620000	—	ND	ND	ND	ND	—	—	Sheen
11/27/00	78.95	13.78	0.00	65.17	1.68	210000	85000	—	ND	ND	ND	ND	—	—	Sheen

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**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>															
02/14/01	78.95	12.67	0.00	66.28	1.11	82700	80000	--	ND	ND	ND	ND	ND	--	
05/11/01	78.95	13.10	0.00	65.85	-0.43	210000	24000	--	ND	ND	ND	ND	ND	--	
08/09/01	78.95	15.31	0.00	63.64	-2.21	71000	3600	--	ND<10	ND<10	14	ND<10	ND<50	--	
11/30/01	78.95	12.38	0.00	66.57	2.93	120000	3400	--	ND<1.0	1.0	2.9	ND<1.0	ND<5.0	--	
02/07/02	78.95	11.42	0.00	67.53	0.96	210000	30000	--	ND<2.5	ND<2.5	15	19	ND<12	--	
05/10/02	78.95	13.50	0.00	65.45	-2.08	790000	21000	--	ND<5.0	9.5	12	16	ND<25	--	
08/15/02	78.95	15.76	0.00	63.19	-2.26	1700000	140000	--	ND<100	ND<100	ND<100	ND<100	ND<500	--	
11/14/02	78.95	14.64	0.00	64.31	1.12	72000	91000	--	ND<50	ND<50	910	1800	ND<250	--	
02/13/03	78.95	11.32	0.00	67.63	3.32	1300000	3100	--	ND<2.5	9.7	28	27	ND<10	--	
05/16/03	78.95	11.20	0.00	67.75	0.12	240000	5000	--	ND<2.5	ND<2.5	19	21	ND<12	--	
08/12/03	78.95	14.83	0.00	64.12	-3.63	570000	--	230000	ND<5.0	ND<5.0	ND<10	--	ND<20	--	
12/22/03	78.95	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - Equipment over well	
02/24/04	78.95	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible	
05/06/04	78.95	12.96	0.00	65.99	--	51000	--	940	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/04/04	78.95	14.96	0.00	63.99	-2.00	200000	--	42000	ND<5.0	ND<5.0	ND<10	--	--	ND<5.0	
11/10/04	78.95	14.56	0.00	64.39	0.40	72000	--	3600	ND<2.5	ND<2.5	ND<5.0	--	--	ND<2.5	
02/03/05	78.95	11.46	0.00	67.49	3.10	--	--	3200	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.5	
05/05/05	78.95	11.95	0.00	67.00	-0.49	18000	--	11000	ND<0.50	ND<0.50	ND<1.0	--	--	ND<5.0	
<b>MW-5 (Screen Interval in feet: 10.0-20.0)</b>															
04/01/89	--	--	--	--	--	ND	--	ND	ND	ND	ND	ND	--	--	
08/03/89	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	--	--	
10/26/89	--	--	--	--	--	ND	2300	--	ND	ND	ND	ND	--	--	
01/26/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>															
04/30/90	-	-	-	-	-	ND	380	-	2.2	3.9	4.2	1.4	-	-	-
07/30/90	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
10/29/90	-	-	-	-	-	ND	ND	-	ND	7.3	ND	ND	-	-	-
01/29/91	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
04/26/91	-	-	-	-	-	85	130	-	ND	ND	ND	ND	-	-	-
07/19/91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Inaccessible
10/21/91	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
01/21/92	-	-	-	-	-	53	ND	-	ND	ND	ND	ND	-	-	-
04/24/92	-	-	-	-	-	60	ND	-	ND	ND	ND	ND	-	-	-
07/28/92	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
10/26/92	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
01/27/93	-	-	-	-	-	ND	ND	-	ND	ND	ND	ND	-	-	-
04/30/93	80.24	13.74	0.00	66.50	-	ND	ND	-	ND	ND	ND	ND	-	-	-
07/29/93	80.24	15.61	0.00	64.63	-1.87	ND	ND	-	ND	ND	ND	ND	-	-	-
10/27/93	79.75	16.52	0.00	63.23	-1.40	-	-	-	-	ND	ND	ND	-	-	-
01/24/94	79.75	14.37	0.00	65.38	2.15	ND	ND	-	ND	ND	ND	ND	-	-	-
04/15/94	79.75	13.74	0.00	66.01	0.63	-	-	-	-	ND	ND	ND	-	-	-
09/14/94	79.75	16.55	0.00	63.20	-2.81	90	ND	-	ND	1.1	ND	1.1	-	-	-
02/10/95	79.75	10.62	0.00	69.13	5.93	ND	ND	-	ND	ND	ND	ND	-	-	-
08/22/95	79.75	15.83	0.00	63.92	-5.21	ND	150	-	ND	ND	ND	ND	-	-	-
02/27/96	79.75	11.12	0.00	68.63	4.71	ND	ND	-	ND	ND	ND	ND	-	-	-
08/27/96	79.77	15.82	0.00	63.95	-	ND	ND	-	ND	8.1	ND	ND	-	-	-
02/20/97	79.77	12.06	0.00	67.71	-	120000	ND	-	ND	ND	ND	ND	-	-	-
08/19/97	79.77	16.02	0.00	63.75	-3.96	460	ND	-	ND	ND	ND	ND	-	-	-

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8290B (µg/l)	TPPH 8290B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>															
02/17/98	79.77	10.22	0.00	69.55	5.80	170	ND	ND	ND	ND	ND	ND	--	--	
08/04/98	79.77	15.45	0.00	64.32	-5.23	ND	ND	ND	ND	ND	ND	ND	--	--	
02/19/99	79.77	10.61	0.00	69.16	4.84	ND	ND	ND	ND	ND	ND	ND	--	--	
05/19/99	79.77	13.93	0.00	65.84	-3.32	ND	ND	ND	ND	ND	ND	ND	--	--	
08/05/99	79.77	16.27	0.00	63.50	-2.34	ND	ND	ND	ND	ND	ND	ND	--	--	
11/24/99	79.77	13.42	0.00	66.35	2.85	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/15/00	79.77	11.37	0.00	68.40	2.05	ND	ND	ND	ND	ND	ND	ND	--	--	
05/11/00	79.77	14.07	0.00	65.70	-2.70	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/00	79.77	16.26	0.00	63.51	-2.19	ND	ND	ND	ND	ND	ND	ND	--	--	
11/27/00	79.77	15.24	0.00	64.53	1.02	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/14/01	79.77	13.45	0.00	66.32	1.79	ND	ND	ND	ND	ND	ND	ND	--	--	
05/11/01	79.77	14.29	0.00	65.48	-0.84	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/01	79.77	16.18	0.00	63.59	-1.89	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
11/30/01	79.77	12.81	0.00	66.96	3.37	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/07/02	79.77	12.45	0.00	67.32	0.36	64	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/10/02	79.77	14.76	0.00	65.01	-2.31	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/15/02	79.77	16.56	0.00	63.21	-1.80	51	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
11/14/02	79.77	15.25	0.00	64.52	1.31	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/13/03	79.77	12.36	0.00	67.41	2.89	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
05/16/03	79.77	12.28	0.00	67.49	0.08	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/12/03	79.77	15.90	0.00	63.87	-3.62	ND<50	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	Monitored Only - Not Sampled
12/22/03	79.77	12.73	0.00	67.04	3.17	--	--	--	--	--	--	--	--	--	Monitored Only
02/24/04	79.77	11.28	0.00	68.49	1.45	--	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>															
05/06/04	79.77	14.37	0.00	65.40	-3.09	--	--	--	--	--	--	--	--	--	Monitored only
08/04/04	79.77	16.42	0.00	63.35	-2.05	--	--	--	--	--	--	--	--	--	Monitored Only
11/10/04	79.77	17.03	0.00	62.74	-0.61	--	--	--	--	--	--	--	--	--	Monitored Only
02/03/05	79.77	12.29	0.00	67.48	4.74	--	--	--	--	--	--	--	--	--	Monitored Only
05/05/05	79.77	13.30	0.00	66.47	-1.01	--	--	--	--	--	--	--	--	--	Monitor only
<b>MW-6</b>															
04/01/89	--	--	--	--	--	400	ND	--	ND	ND	ND	ND	ND	ND	--
08/03/89	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/26/89	--	--	--	--	--	ND	ND	1700	--	ND	ND	ND	ND	ND	--
01/26/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/30/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/29/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/29/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/26/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/19/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/21/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/21/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/24/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/28/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/26/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/27/93	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/93	76.76	10.52	0.00	66.24	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/29/93	76.76	11.97	0.00	64.79	-1.45	ND	ND	--	ND	ND	ND	ND	ND	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-D ( $\mu\text{g/l}$ )	TPH-G 8260B ( $\mu\text{g/l}$ )	TPPH 8260B ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl- benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>MW-6 continued</b>															
10/27/93	76.32	12.35	0.00	63.97	-0.82	--	--	--	ND	ND	ND	ND	--	--	Sampled semi-annually
01/24/94	76.32	10.83	0.00	65.49	1.52	ND	ND	--	--	ND	ND	ND	--	--	Sampled semi-annually
04/15/94	76.32	10.54	0.00	65.78	0.29	--	--	--	ND	ND	1.6	ND	1.3	--	--
09/14/94	76.32	12.34	0.00	63.98	-1.80	82	ND	--	ND	ND	ND	ND	--	--	--
02/10/95	76.32	7.69	0.00	68.63	4.65	ND	ND	--	ND	ND	ND	ND	--	--	--
08/22/95	76.32	11.90	0.00	64.42	-4.21	ND	ND	--	ND	ND	ND	ND	--	--	--
02/27/96	76.32	8.26	0.00	68.06	3.64	64	ND	--	ND	ND	ND	ND	--	--	--
08/27/96	76.31	12.02	0.00	64.29	--	ND	70	--	ND	ND	8.6	ND	--	--	--
02/20/97	76.31	9.07	0.00	67.24	--	ND	ND	--	ND	ND	ND	ND	--	--	--
08/19/97	76.31	12.09	0.00	64.22	-3.02	ND	ND	--	ND	ND	ND	ND	--	--	--
02/17/98	76.31	7.28	0.00	69.03	4.81	82	ND	--	ND	ND	ND	ND	--	--	--
08/04/98	76.31	11.86	0.00	64.45	-4.58	ND	141	--	ND	ND	ND	ND	--	--	--
02/19/99	76.31	7.91	0.00	68.40	3.95	ND	ND	--	ND	ND	ND	ND	--	--	--
05/19/99	76.31	10.58	0.00	65.73	-2.67	ND	ND	--	ND	ND	ND	ND	--	--	--
08/05/99	76.31	12.84	0.00	63.47	-2.26	200	ND	--	ND	ND	ND	ND	--	--	--
11/24/99	76.31	10.86	0.00	65.45	1.98	--	--	--	ND	ND	ND	ND	--	--	--
02/15/00	76.31	8.60	0.00	67.71	2.26	ND	ND	--	ND	ND	ND	ND	--	--	--
05/11/00	76.31	10.65	0.00	65.66	-2.05	--	--	--	ND	ND	ND	ND	--	--	--
08/09/00	76.31	12.62	0.00	63.69	-1.97	ND	ND	--	ND	ND	ND	ND	--	--	--
11/27/00	76.31	11.77	0.00	64.54	0.85	--	--	--	ND	ND	ND	ND	--	--	--
02/14/01	76.31	10.58	0.00	65.73	1.19	98.6	ND	--	ND	ND	ND	ND	--	--	--
05/11/01	76.31	10.87	0.00	65.44	-0.29	--	--	--	ND	ND	ND	ND	--	--	--
08/09/01	76.31	12.62	0.00	63.69	-1.75	--	--	--	ND	ND	ND	ND	--	--	--
11/30/01	76.31	10.34	0.00	65.97	2.28	--	--	--	ND	ND	ND	ND	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-6 continued</b>														
02/07/02	76.31	9.30	0.00	67.01	1.04	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND	Sampled annually
05/10/02	76.31	11.30	0.00	65.01	-2.00	--	--	--	--	--	--	--	--	Sampled annually
08/15/02	76.31	12.88	0.00	63.43	-1.58	--	--	--	--	--	--	--	--	Sampled annually
11/14/02	76.31	12.20	0.00	64.11	0.68	--	--	--	--	--	--	--	--	Sampled annually
02/13/03	76.31	9.19	0.00	67.12	3.01	78	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	Sampled annually
05/16/03	76.31	9.18	0.00	67.13	0.01	--	--	--	--	--	--	--	--	Sampled annually
08/12/03	76.31	12.17	0.00	64.14	-2.99	--	--	--	--	--	--	--	--	Sampled annually
12/22/03	76.31	9.23	0.00	67.08	2.94	--	--	--	--	--	--	--	--	Sampled Annually
02/24/04	76.31	8.37	0.00	67.94	0.86	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Monitored only, sampled annually
05/06/04	76.31	10.83	0.00	65.48	-2.46	--	--	--	--	--	--	--	--	Monitored Only
08/04/04	76.32	12.86	0.00	63.46	-2.02	--	--	--	--	--	--	--	--	Monitored Only
11/10/04	76.32	12.00	0.00	64.32	0.86	--	--	--	--	--	--	--	--	Monitored Only
02/03/05	76.32	9.29	0.00	67.03	2.71	200	--	--	52	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50
05/05/05	76.32	9.96	0.00	66.36	-0.67	--	--	--	--	--	--	--	--	Sampled annually
<b>MW-7</b>														
04/01/89	--	--	--	--	--	390	130	--	1.1	ND	ND	ND	--	--
08/03/89	--	--	--	--	--	ND	54	--	1.4	0.93	0.71	0.35	--	--
10/26/89	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible due to construction
01/26/90	--	--	--	--	--	53	180	--	5.0	4.0	ND	10	--	--
04/30/90	--	--	--	--	--	130	72	--	ND	ND	ND	0.62	--	--
07/30/90	--	--	--	--	--	ND	ND	--	ND	1.7	0.61	0.92	--	--
10/29/90	--	--	--	--	--	83	ND	--	ND	3.2	ND	ND	--	--
01/29/91	--	--	--	--	--	110	ND	--	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7 continued</b>															
04/26/91	--	--	--	--	--	68	ND	ND	ND	ND	ND	ND	ND	ND	--
07/19/91	--	--	--	--	--	120	ND	--	ND	ND	ND	ND	ND	ND	--
10/21/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/21/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/24/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/28/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/26/92	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
01/27/93	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/93	78.38	10.09	0.00	68.29	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/29/93	78.38	11.85	0.00	66.53	-1.76	ND	ND	--	ND	ND	ND	ND	ND	ND	--
10/27/93	77.86	13.17	0.00	64.69	-1.84	--	--	--	--	--	--	--	--	--	--
01/24/94	77.86	11.10	0.00	66.76	2.07	78	ND	--	ND	ND	ND	ND	ND	ND	--
04/15/94	77.86	10.22	0.00	67.64	0.88	--	--	--	--	--	--	--	--	--	--
09/14/94	77.86	13.15	0.00	64.71	-2.93	130	ND	--	ND	ND	ND	ND	ND	ND	--
02/10/95	77.86	7.25	0.00	70.61	5.90	ND	ND	--	ND	ND	ND	ND	ND	ND	1.2
08/22/95	77.86	12.35	0.00	65.51	-5.10	ND	ND	--	ND	ND	ND	ND	ND	ND	--
02/27/96	77.86	7.66	0.00	70.20	4.69	ND	ND	--	ND	ND	ND	ND	ND	ND	--
08/27/96	77.87	12.48	0.00	65.39	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
02/20/97	77.87	8.59	0.00	69.28	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
08/19/97	77.87	12.59	0.00	65.28	-4.00	ND	ND	--	ND	ND	ND	ND	ND	ND	--
02/17/98	77.87	6.75	0.00	71.12	5.84	87	ND	--	ND	ND	ND	ND	ND	ND	--
08/04/98	77.87	11.79	0.00	66.08	-5.04	66.6	ND	--	ND	ND	ND	ND	ND	ND	--
02/19/99	77.87	7.12	0.00	70.75	4.67	ND	ND	--	ND	ND	ND	ND	ND	ND	--
05/19/99	77.87	10.58	0.00	67.29	-3.46	ND	ND	--	ND	ND	ND	ND	ND	ND	--

Sampled semi-annually

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7 continued</b>															
08/05/99	77.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/24/99	77.87	10.76	0.00	67.11	--	--	--	--	--	--	--	--	--	--	Sampled annually
02/15/00	77.87	7.85	0.00	70.02	2.91	ND	ND	--	ND	ND	ND	ND	ND	--	
05/11/00	77.87	10.48	0.00	67.39	-2.63	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/00	77.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/27/00	77.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
02/14/01	77.87	10.31	0.00	67.56	--	102	ND	--	ND	ND	ND	ND	ND	--	Sampled semi-annually
05/11/01	77.87	11.11	0.00	66.76	-0.80	--	--	--	--	--	--	--	--	--	Dry well
08/09/01	77.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Sampled annually
11/30/01	77.87	10.07	0.00	67.80	--	--	--	--	--	--	--	--	--	--	
02/07/02	77.87	8.98	0.00	68.89	1.09	61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/10/02	77.87	11.35	0.00	66.52	-2.37	--	--	--	--	--	--	--	--	--	Sampled annually
08/15/02	77.87	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
11/14/02	77.87	13.38	0.00	64.49	--	--	--	--	--	--	--	--	--	--	Sampled annually
02/13/03	77.87	8.94	0.00	68.93	4.44	72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
05/16/03	77.87	8.81	0.00	69.06	0.13	--	--	--	--	--	--	--	--	--	Sampled annually
08/12/03	77.87	14.13	0.00	63.74	-5.32	--	--	--	--	--	--	--	--	--	Sampled annually
12/22/03	77.87	9.74	0.00	68.13	4.39	--	--	--	--	--	--	--	--	--	Sampled Annually
02/24/04	77.87	7.88	0.00	69.99	1.86	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	Monitored only, sampled annually
05/06/04	77.87	10.60	0.00	67.27	-2.72	--	--	--	--	--	--	--	--	--	
08/04/04	77.90	12.59	0.00	65.31	-1.96	--	--	--	--	--	--	--	--	--	Monitored Only
11/10/04	77.90	12.60	0.00	65.30	-0.01	--	--	--	--	--	--	--	--	--	Sampled annually
02/03/05	77.90	8.93	0.00	68.97	3.67	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7 continued</b>															
05/05/05	77.90	9.56	0.00	68.34	-0.63	--	--	--	--	--	--	--	--	--	
<b>MW-8</b>	(Screen Interval in feet: 6.0-18.0)														
04/01/89	--	--	--	--	--	77000	1700	--	ND	ND	ND	ND	--	--	
08/03/89	--	--	--	--	--	1900	1600	--	ND	ND	ND	ND	--	--	
10/26/89	--	--	--	--	--	9400000	2500	--	ND	ND	ND	ND	--	--	
01/26/90	--	--	--	--	--	8900	10000	--	ND	6.0	10	20	--	--	
04/30/90	--	--	--	--	--	4600	1300	--	3.4	0.95	ND	5.3	--	--	
07/30/90	--	--	--	--	--	3300	1200	--	ND	1.3	3.1	7.7	--	--	
10/29/90	--	--	--	--	--	9500	1700	--	ND	0.78	2.4	ND	--	--	
01/29/91	--	--	--	--	--	3500	1400	--	ND	ND	0.91	ND	--	--	
04/26/91	--	--	--	--	--	11000	2400	--	ND	ND	ND	ND	--	--	
07/19/91	--	--	--	--	--	12000	590	--	ND	1.0	ND	ND	--	--	
10/21/91	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of a sheen	
01/21/92	--	--	--	--	--	43000	40000	--	ND	ND	ND	ND	--	--	
04/24/92	--	--	--	--	--	12000	3600	--	ND	ND	ND	ND	--	--	
07/28/92	--	--	--	--	--	26000	85000	--	ND	ND	ND	ND	--	--	
10/26/92	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product	
01/27/93	--	--	--	--	--	8300	960	--	2.2	ND	1.3	4.2	--	--	
04/30/93	75.08	10.53	0.00	64.55	--	100000	4800	--	ND	ND	ND	ND	--	Sheen	
07/29/93	75.08	12.13	0.00	62.95	-1.60	220000	800	--	ND	2.3	ND	ND	--	Sheen	
10/27/93	74.60	12.92	0.00	61.68	-1.27	--	--	--	--	--	--	--	--	Not sampled - presence of free product	
01/24/94	74.60	10.87	0.00	63.73	2.05	1200	400	--	1.5	ND	1.1	1.4	--	Sheen	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-8 continued</b>															
04/15/94	74.60	10.48	0.00	64.12	0.39	49000	2500	—	2.6	ND	ND	ND	—	—	Not sampled - presence of free product
09/14/94	74.60	12.92	0.00	61.68	-2.44	—	—	—	—	—	—	—	—	—	Sheen
02/10/95	74.60	6.88	0.00	67.72	6.04	210000	160000	—	ND	ND	ND	ND	—	—	—
08/22/95	74.60	12.18	0.00	62.42	-5.30	20000	1000000	—	ND	ND	ND	ND	—	—	Sheen
02/27/96	74.60	7.69	0.00	66.91	4.49	660000	370000	—	ND	ND	55	210	—	—	Sheen
08/27/96	74.57	12.31	0.00	62.26	—	14000	1100	—	ND	ND	ND	ND	—	—	Sheen
02/20/97	74.57	8.78	0.00	65.79	—	550	240	—	ND	ND	1.3	0.72	2.1	—	Sheen
08/19/97	74.57	12.45	0.00	62.12	-3.67	200000	20000	—	ND	ND	ND	ND	—	—	Sheen
02/17/98	74.57	6.50	0.00	68.07	5.95	220000	20000	—	ND	ND	ND	ND	—	—	Sheen
08/04/98	74.57	11.92	0.00	62.65	-5.42	223000	106000	—	ND	ND	ND	ND	ND	—	Sheen
02/19/99	74.57	7.22	0.00	67.35	4.70	—	200	—	0.50	ND	ND	ND	ND	—	—
05/19/99	74.57	10.77	0.00	63.80	-3.55	ND	8900	—	ND	ND	ND	ND	6.0	ND	—
08/05/99	74.57	13.05	0.00	61.52	-2.28	48000	2060	—	ND	ND	ND	ND	ND	—	Sheen
11/24/99	74.57	11.00	0.00	63.57	2.05	670000	370000	—	ND	ND	ND	ND	ND	—	Sheen
02/15/00	74.57	8.25	0.00	66.32	2.75	320000	45000	—	ND	ND	ND	ND	ND	—	Sheen
05/11/00	74.57	10.81	0.00	63.76	-2.56	660000	1500000	—	ND	ND	730	9000	ND	—	Sheen
08/09/00	74.57	13.02	0.00	61.55	-2.21	280000	1000000	—	ND	ND	ND	500	820	ND	—
11/27/00	74.57	11.70	0.00	62.87	1.32	240000	56000	—	ND	ND	ND	ND	ND	—	Sheen
02/14/01	74.57	10.63	0.00	63.94	1.07	3310	3100000	—	ND	ND	2300	6200	ND	—	Sheen
05/11/01	74.57	10.88	0.00	63.69	-0.25	460000	26000	—	ND	ND	ND	ND	ND	—	Sheen
08/09/01	74.57	12.94	0.00	61.63	-2.06	24000	8600	—	ND<5.0	ND<5.0	ND<5.0	16	ND<25	—	—
11/30/01	74.57	10.58	0.00	63.99	2.36	300000	35000	—	ND<25	ND<25	ND<25	ND<120	—	—	Sheen
02/07/02	74.57	9.12	0.00	65.45	1.46	130000	43000	—	ND<2.5	ND<2.5	9.3	17	ND<12	—	—

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-8 continued</b>															
05/10/02	74.57	11.30	0.00	63.27	2.18	470000	13000	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25	--	
08/15/02	74.57	13.31	0.00	61.26	-2.01	4000000	270000	--	ND<2500	ND<2500	ND<2500	ND<2500	ND<12000	--	
11/14/02	74.57	12.42	0.00	62.15	0.89	4300000	100000	--	ND<50	ND<50	430	520	ND<250	--	
02/13/03	74.57	8.91	0.00	65.66	3.51	3600000	100000	--	ND<100	ND<100	330	700	ND<400	--	
05/16/03	74.57	8.94	0.00	65.63	-0.03	580000	1600	--	ND<5.0	ND<5.0	11	8.9	400	ND<10	
08/12/03	74.57	12.57	0.00	62.00	-3.63	660000	--	210000	ND<50	ND<50	ND<50	ND<100	--	ND<200	
12/22/03	74.57	10.46	0.00	64.11	2.11	150000	--	41000	--	--	--	--	--	--	
02/24/04	74.57	7.92	0.00	66.65	2.54	2900	--	3300	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	310	
05/06/04	74.57	11.00	0.00	63.57	-3.08	12000	--	630	--	--	--	--	--	--	
08/04/04	74.58	12.97	0.00	61.61	-1.96	50000	--	580	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5	
11/10/04	74.58	13.10	0.00	61.48	-0.13	140000	--	8500	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5	
02/03/05	74.58	9.25	0.00	65.33	3.85	11000	--	9900	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.5	
05/05/05	74.58	9.97	0.00	64.61	-0.72	13000	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-9 (Screen Interval in feet: 9.0-20.0)</b>															
04/01/89	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--
08/03/89	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--
10/26/89	--	--	--	--	--	ND	25000	--	ND	ND	ND	ND	ND	--	--
01/26/90	--	--	--	--	--	300	ND	--	ND	ND	ND	ND	ND	--	--
04/30/90	--	--	--	--	--	ND	ND	--	ND	ND	0.8	ND	ND	--	--
07/30/90	--	--	--	--	--	ND	ND	--	ND	ND	3.4	0.45	0.33	--	--
10/29/90	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--
01/29/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--
04/26/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--
07/19/91	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-9 continued</b>															
10/21/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
01/21/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
04/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
07/28/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
10/26/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
01/27/93	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
04/30/93	73.72	9.23	0.00	64.49	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
07/29/93	73.72	11.10	0.00	62.62	-1.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
10/27/93	73.29	11.97	0.00	61.32	-1.30	--	--	--	ND	ND	ND	ND	ND	ND	--
01/24/94	73.29	9.73	0.00	63.56	2.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
04/15/94	73.29	9.24	0.00	64.05	0.49	--	--	--	ND	ND	ND	ND	ND	ND	--
09/14/94	73.29	11.96	0.00	61.33	-2.72	110	ND	ND	ND	ND	ND	ND	ND	ND	--
02/10/95	73.29	5.74	0.00	67.55	6.22	91	ND	ND	ND	ND	ND	ND	ND	ND	--
08/22/95	73.29	11.51	0.00	61.78	-5.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/27/96	73.29	6.52	0.00	66.77	4.99	65	ND	ND	ND	ND	ND	ND	ND	ND	--
08/27/96	73.31	11.60	0.00	61.71	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/20/97	73.31	7.46	0.00	65.85	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
08/19/97	73.31	11.70	0.00	61.61	-4.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
02/17/98	73.31	5.34	0.00	67.97	6.36	180	ND	ND	ND	ND	ND	ND	ND	ND	--
08/04/98	73.31	11.23	0.00	62.08	-5.89	ND	103	--	ND	ND	ND	ND	ND	ND	--
02/19/99	73.31	6.12	0.00	67.19	5.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
05/19/99	73.31	9.41	0.00	63.90	-3.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
08/05/99	73.31	12.22	0.00	61.09	-2.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
11/24/99	73.31	10.08	0.00	63.23	2.14	--	--	--	--	--	--	--	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-9 continued</b>															
02/15/00	73.31	7.05	0.00	66.26	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
05/11/00	73.31	9.41	0.00	63.90	-2.36	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/00	73.31	12.17	0.00	61.14	-2.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
11/27/00	73.31	11.19	0.00	62.12	0.98	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/14/01	73.31	9.39	0.00	63.92	1.80	68.7	ND	--	ND	ND	ND	ND	ND	ND	--
05/11/01	73.31	9.65	0.00	63.66	-0.26	--	--	--	--	--	--	--	--	--	Sampled semi-annually
08/09/01	73.31	11.68	0.00	61.63	-2.03	--	--	--	--	--	--	--	--	--	Sampled annually
11/30/01	73.31	9.41	0.00	63.90	2.27	--	--	--	--	--	--	--	--	--	Sampled annually
02/07/02	73.31	7.78	0.00	65.53	1.63	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
05/10/02	73.31	10.24	0.00	63.07	-2.46	--	--	--	--	--	--	--	--	--	Sampled annually
08/15/02	73.31	12.44	0.00	60.87	-2.20	--	--	--	--	--	--	--	--	--	Sampled annually
11/14/02	73.31	11.56	0.00	61.75	0.88	--	--	--	--	--	--	--	--	--	Sampled annually
02/13/03	73.31	7.65	0.00	65.66	3.91	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
05/16/03	73.31	7.65	0.00	65.66	0.00	--	--	--	--	--	--	--	--	--	Sampled annually
08/12/03	73.31	11.67	0.00	61.64	-4.02	--	--	--	--	--	--	--	--	--	Sampled annually
12/22/03	73.31	9.28	0.00	64.03	2.39	--	--	--	--	--	--	--	--	--	Sampled Annually
02/24/04	73.31	6.74	0.00	66.57	2.54	130	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.0	Monitored only, sampled annually
05/06/04	73.31	9.88	0.00	63.43	-3.14	--	--	--	--	--	--	--	--	--	Monitored Only
08/04/04	73.31	11.98	0.00	61.33	-2.10	--	--	--	--	--	--	--	--	--	Sampled annually
11/10/04	73.31	12.05	0.00	61.26	-0.07	--	--	--	--	--	--	--	--	--	ND<0.50
02/03/05	73.31	7.95	0.00	65.36	4.10	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50
05/05/05	73.31	8.61	0.00	64.70	-0.66	--	--	--	--	--	--	--	--	--	Sampled annually
<b>MW-10</b>															
(Screen Interval in feet: 4.0-19.0)															

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-10 continued</b>															
08/03/89	-	-	-	-	-	180	61	--	ND	ND	ND	ND	ND	ND	--
10/26/89	-	-	-	-	-	690	13000	--	ND	ND	ND	ND	ND	ND	--
01/26/90	-	-	-	-	-	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/90	-	-	-	-	-	280	380	--	2.2	3.9	4.2	1.4	--	--	--
07/30/90	-	-	-	-	-	620	240	--	0.84	0.68	4.7	1.5	--	--	--
10/29/90	-	-	-	-	-	250	180	--	ND	0.56	0.73	0.62	--	--	--
01/29/91	-	-	-	-	-	250	130	--	ND	ND	0.39	ND	ND	ND	--
04/26/91	-	-	-	-	-	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/19/91	-	-	-	-	-	110	84	--	ND	ND	ND	ND	ND	ND	--
10/21/91	-	-	-	-	-	200	60	--	ND	ND	ND	ND	ND	ND	--
01/21/92	-	-	-	-	-	190	41	--	ND	ND	ND	ND	ND	ND	--
04/24/92	-	-	-	-	-	110	ND	--	ND	ND	ND	ND	ND	ND	--
07/28/92	-	-	-	-	-	130	ND	--	ND	ND	ND	ND	ND	ND	--
10/26/92	-	-	-	-	-	310	180	--	ND	ND	ND	ND	ND	ND	--
01/27/93	-	-	-	-	-	ND	ND	--	ND	ND	ND	ND	ND	ND	--
04/30/93	72.57	9.90	0.00	62.67	--	ND	ND	--	ND	ND	ND	ND	ND	ND	--
07/29/93	72.57	11.95	0.00	60.62	-2.05	51	ND	--	ND	ND	ND	ND	ND	ND	--
10/27/93	72.26	13.44	0.00	58.82	-1.80	180	64	--	0.51	0.54	0.54	1.4	--	--	--
01/24/94	72.26	11.58	0.00	60.68	1.86	230	130	--	ND	ND	ND	ND	ND	ND	--
04/15/94	72.26	10.19	0.00	62.07	1.39	ND	ND	--	ND	ND	ND	ND	ND	ND	--
09/14/94	72.26	13.45	0.00	58.81	-3.26	200	ND	--	ND	0.75	ND	1.3	--	--	--
02/10/95	72.26	6.73	0.00	65.53	6.72	77	ND	--	ND	ND	ND	ND	ND	ND	--
08/22/95	72.26	13.05	0.00	59.21	-6.32	90	ND	--	ND	ND	ND	ND	ND	ND	--
02/27/96	72.26	7.53	0.00	64.73	5.52	670	ND	--	ND	ND	ND	ND	ND	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-10 continued</b>															
08/27/96	72.25	13.15	0.00	59.10	--	170	ND	--	ND	6.1	ND	ND	--	--	--
02/20/97	72.25	8.26	0.00	63.99	--	160	ND	--	ND	ND	ND	ND	--	--	--
08/19/97	72.25	13.25	0.00	59.00	-4.99	ND	ND	--	ND	ND	ND	ND	--	--	--
02/17/98	72.25	6.34	0.00	65.91	6.91	360	ND	--	ND	ND	ND	ND	--	--	--
08/04/98	72.25	12.73	0.00	59.52	-6.39	176	ND	--	ND	ND	ND	ND	--	--	--
02/19/99	72.25	7.37	0.00	64.88	5.36	ND	ND	--	ND	ND	ND	ND	--	--	--
05/19/99	72.25	10.11	0.00	62.14	-2.74	ND	ND	--	ND	ND	ND	ND	--	--	--
08/05/99	72.25	13.47	0.00	58.78	-3.36	240	ND	--	ND	ND	ND	ND	--	--	--
11/24/99	72.25	11.85	0.00	60.40	1.62	--	--	--	--	--	--	--	--	--	--
02/15/00	72.25	8.15	0.00	64.10	3.70	51	ND	--	ND	ND	ND	ND	--	--	--
05/11/00	72.25	10.42	0.00	61.83	-2.27	--	--	--	--	--	--	--	--	--	--
08/09/00	72.25	13.47	0.00	58.78	-3.05	ND	ND	--	ND	ND	ND	ND	--	--	--
11/27/00	72.25	12.65	0.00	59.60	0.82	--	--	--	--	--	--	--	--	--	--
02/14/01	72.25	10.88	0.00	61.37	1.77	220	ND	--	ND	ND	ND	ND	--	--	--
05/11/01	72.25	10.53	0.00	61.72	0.35	--	--	--	--	--	--	--	--	--	--
08/09/01	72.25	13.45	0.00	58.80	-2.92	82	62	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
11/30/01	72.25	11.19	0.00	61.06	2.26	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
02/07/02	72.25	8.61	0.00	63.64	2.58	140	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
05/10/02	72.25	11.20	0.00	61.05	-2.59	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
08/15/02	72.25	13.64	0.00	58.61	-2.44	130	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--
11/14/02	72.25	13.26	0.00	58.99	0.38	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
02/13/03	72.25	8.42	0.00	63.83	4.84	110	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
05/16/03	72.25	8.32	0.00	63.93	0.10	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	--
08/12/03	72.25	13.20	0.00	59.05	-4.88	190	--	--	57	ND<0.50	ND<0.50	ND<1.0	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-10 continued</b>															
12/22/03	72.25	10.88	0.00	61.37	2.32	--	--	--	--	--	--	--	--	--	Sampled semi-annually
02/24/04	72.25	7.76	0.00	64.49	3.12	98	--	250	ND<1.0	ND<1.0	ND<2.0	--	--	260	Monitored only, sampled semi-annually
05/06/04	72.25	10.81	0.00	61.44	-3.05	--	--	--	--	--	--	--	--	--	
08/04/04	72.23	12.84	0.00	59.39	-2.05	390	--	110	ND<0.50	ND<0.50	ND<1.0	--	--	70	
11/10/04	72.23	13.03	0.00	59.20	-0.19	350	--	130	ND<0.50	ND<0.50	ND<1.0	--	--	43	
02/03/05	72.23	9.03	0.00	63.20	4.00	--	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
05/05/05	72.23	9.33	0.00	62.90	-0.30	--	--	--	--	--	--	--	--	--	Sampled semi-annually
<b>MW-11 (Screen Interval in feet: 4.0-20.0)</b>															
08/03/89	--	--	--	--	--	540	77	--	ND	ND	ND	ND	ND	--	--
10/26/89	--	--	--	--	--	420	20000	--	ND	ND	ND	ND	ND	--	--
01/26/90	--	--	--	--	--	5100	1500	--	2.0	1.4	0.83	3.0	--	--	
04/30/90	--	--	--	--	--	1200	120	--	ND	0.8	ND	ND	--	--	
07/30/90	--	--	--	--	--	3100	2900	--	ND	1.4	1.2	1.7	--	--	
10/29/90	--	--	--	--	--	--	290	--	ND	ND	0.31	ND	--	--	
01/29/91	--	--	--	--	--	21000	3800	--	ND	ND	0.36	0.31	--	--	
04/26/91	--	--	--	--	--	2600	ND	--	ND	ND	ND	ND	--	--	
07/19/91	--	--	--	--	--	310	ND	--	ND	ND	ND	ND	--	--	
10/21/91	--	--	--	--	--	140	ND	--	ND	ND	ND	ND	--	--	
01/21/92	--	--	--	--	--	2600	150	--	ND	ND	ND	ND	--	--	
04/24/92	--	--	--	--	--	160	ND	--	ND	ND	ND	ND	--	--	
07/28/92	--	--	--	--	--	520	ND	--	ND	ND	ND	ND	--	--	
10/26/92	--	--	--	--	--	340	63	--	ND	ND	ND	ND	--	--	
01/27/93	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**

**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-11 continued</b>															
04/30/93	74.26	10.48	0.00	63.78	--	830	120	--	ND	ND	ND	ND	ND	ND	--
07/29/93	74.26	12.13	0.00	62.13	-1.65	2000	ND	--	ND	ND	ND	ND	ND	ND	--
10/27/93	73.83	14.20	0.00	59.63	-2.50	840	100	--	ND	ND	ND	ND	ND	ND	--
01/24/94	73.83	11.84	0.00	61.99	2.36	6100	360	--	ND	0.52	ND	1.3	--	--	Sheen
04/15/94	73.83	10.61	0.00	63.22	1.23	16000	660	--	ND	ND	ND	ND	ND	ND	--
09/14/94	73.83	14.16	0.00	59.67	-3.55	15000	1000	--	ND	ND	ND	ND	ND	ND	--
02/10/95	73.83	6.72	0.00	67.11	7.44	2100	100	--	ND	ND	ND	ND	ND	ND	--
08/22/95	73.83	13.60	0.00	60.23	-6.88	560	150	--	ND	ND	ND	ND	ND	ND	--
02/27/96	73.83	7.53	0.00	66.30	6.07	5300	320	--	ND	ND	ND	ND	ND	ND	--
08/27/96	73.77	13.62	0.00	60.15	--	4200	ND	--	ND	ND	ND	ND	ND	ND	--
02/20/97	73.77	8.56	0.00	65.21	--	55000	ND	--	ND	ND	ND	ND	ND	ND	--
08/19/97	73.77	13.78	0.00	59.99	-5.22	68000	13000	--	ND	ND	ND	ND	ND	ND	--
02/17/98	73.77	6.30	0.00	67.47	7.48	280	ND	--	ND	ND	ND	ND	ND	ND	--
08/04/98	73.77	13.33	0.00	60.44	-7.03	1280	992	--	ND	ND	ND	ND	ND	ND	--
02/19/99	73.77	7.20	0.00	66.57	6.13	130	ND	--	ND	ND	ND	ND	ND	ND	--
05/19/99	73.77	10.75	0.00	63.02	-3.55	ND	ND	--	ND	ND	ND	ND	ND	ND	--
08/05/99	73.77	14.09	0.00	59.68	-3.34	3300	ND	--	ND	ND	ND	ND	ND	ND	--
11/24/99	73.77	11.83	0.00	61.94	2.26	410000	280	--	0.50	0.59	ND	1.3	ND	--	Sheen
02/15/00	73.77	8.22	0.00	65.55	3.61	54000	2500	--	ND	ND	ND	ND	ND	ND	--
05/11/00	73.77	11.00	0.00	62.77	-2.78	39000	4400	--	ND	ND	ND	ND	ND	ND	--
08/09/00	73.77	14.15	0.00	59.62	-3.15	8600	210	--	ND	ND	ND	ND	ND	ND	--
11/27/00	73.77	13.08	0.00	60.69	1.07	1500000	230000	--	ND	ND	ND	ND	ND	ND	--
02/14/01	73.77	11.09	0.00	62.68	1.99	10100	2300	--	ND	ND	ND	ND	ND	ND	--
05/11/01	73.77	11.07	0.00	62.70	0.02	340000	25000	--	ND	ND	ND	ND	ND	ND	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-11 continued</b>															
08/09/01	73.77	14.11	0.00	59.66	-3.04	10000	850	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
11/30/01	73.77	11.29	0.00	62.48	2.82	42000	4100	--	ND<0.50	0.64	ND<0.50	ND<0.50	ND<2.5	--	
02/07/02	73.77	9.00	0.00	64.77	2.29	2600	1300	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
05/10/02	73.77	11.89	0.00	61.88	-2.89	140000	5400	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<25	--	
08/15/02	73.77	14.45	0.00	59.32	-2.56	32000	1100	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<12	--	
11/14/02	73.77	13.96	0.00	59.81	0.49	--	19000	--	ND<50	ND<50	ND<50	ND<50	ND<250	--	
02/13/03	73.77	8.78	0.00	64.99	5.18	3400	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
05/16/03	73.77	8.80	0.00	64.97	-0.02	22000	74	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
08/12/03	73.77	13.88	0.00	59.89	-5.08	2000	--	880	ND<5.0	ND<5.0	ND<5.0	ND<10	--	ND<20	
12/22/03	73.77	10.93	0.00	62.84	2.95	69000	--	4000	--	--	--	--	--	--	
02/24/04	73.77	7.81	0.00	65.96	3.12	130	--	99	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
05/06/04	73.77	11.40	0.00	62.37	-3.59	900	--	ND<50	--	--	--	--	--	--	
08/04/04	73.76	13.35	0.00	60.41	-1.96	4400	--	680	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.93	
11/10/04	73.76	13.62	0.00	60.14	-0.27	6400	--	74	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.58	
02/03/05	73.76	9.35	0.00	64.41	4.27	150	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
05/05/05	73.76	9.92	0.00	63.84	-0.57	68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
<b>MW-12 (Screen Interval in feet: 4.0-19.0)</b>															
05/08/96	72.96	10.20	0.00	62.76	--	220	ND	--	ND	ND	ND	ND	--	--	
08/28/96	72.96	13.72	0.00	59.24	--	ND	ND	--	ND	ND	ND	ND	--	--	
02/20/97	72.96	8.87	0.00	64.09	4.85	61	ND	--	ND	ND	ND	ND	--	--	
08/19/97	72.96	13.83	0.00	59.13	-4.96	58	ND	--	ND	ND	ND	ND	--	--	
02/17/98	72.96	6.88	0.00	66.08	6.95	1000	ND	--	ND	ND	ND	ND	--	--	
08/04/98	72.96	13.31	0.00	59.65	-6.43	80.8	ND	--	ND	ND	ND	ND	--	--	
02/19/99	72.96	7.79	0.00	65.17	5.52	ND	--	ND	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-12 continued</b>															
05/19/99	72.96	10.69	0.00	62.27	-2.90	ND	ND	ND	ND	ND	ND	ND	ND	--	
08/05/99	72.96	14.03	0.00	58.93	-3.34	57	ND	ND	ND	ND	ND	ND	ND	--	
11/24/99	72.96	12.33	0.00	60.63	1.70	--	--	--	--	--	--	--	--	--	
02/15/00	72.96	8.65	0.00	64.31	3.68	ND	ND	ND	ND	ND	ND	ND	ND	--	
05/11/00	72.96	11.00	0.00	61.96	-2.35	--	--	--	--	--	--	--	--	--	
08/09/00	72.96	14.04	0.00	58.92	-3.04	ND	ND	ND	ND	ND	ND	ND	ND	--	
11/27/00	72.96	13.22	0.00	59.74	0.82	--	--	--	--	--	--	--	--	--	
02/14/01	72.96	11.33	0.00	61.63	1.89	69.9	ND	--	ND	ND	ND	ND	ND	--	
05/11/01	72.96	11.11	0.00	61.85	0.22	--	--	--	--	--	--	--	--	--	
08/09/01	72.96	13.97	0.00	58.99	-2.86	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
11/30/01	72.96	11.42	0.00	61.54	2.55	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
02/07/02	72.96	9.27	0.00	63.69	2.15	97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
05/10/02	72.96	11.84	0.00	61.12	-2.57	--	--	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
08/15/02	72.96	14.24	0.00	58.72	-2.40	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	--	
11/14/02	72.96	13.99	0.00	58.97	0.25	--	--	--	--	--	--	--	--	--	
02/13/03	72.96	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - car parked over well	
05/16/03	72.96	8.96	0.00	64.00	--	--	--	--	--	--	--	--	--	Sampled semi-annually	
08/12/03	72.96	13.70	0.00	59.26	-4.74	1200	--	190	ND<0.50	2.7	1.0	7.1	--	ND<2.0	
12/22/03	72.96	11.29	0.00	61.67	2.41	--	--	--	--	--	--	--	--	Sampled Semi-annually	
02/24/04	72.96	8.23	0.00	64.73	3.06	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<2.0	
05/06/04	72.96	11.42	0.00	61.54	-3.19	--	--	--	--	--	--	--	--	Monitored only, sampled semi-annually	
08/04/04	72.96	13.46	0.00	59.50	-2.04	ND<50	--	110	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
11/10/04	72.96	13.20	0.00	59.76	0.26	--	--	--	--	--	--	--	--	Sampled semi-annually	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**February 1989 Through May 2005**  
**Bulk Plant 0220**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-12 continued</b>															
02/03/05	72.96	9.68	0.00	63.28	3.52	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<1.0	--	--	ND<0.50	
05/05/05	72.96	10.11	0.00	62.85	-0.43	--	--	--	--	--	--	--	--	--	

Sampled semi-annually

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Isopropylbenzene (µg/l)	p-Isopropyl-toluene (µg/l)	Pre-Purge DO	Post Purge DO	NO3 (mg/l)	Sulfate (mg/l)	Carbon-Dioxide (mg/l)	TDS (mg/l)	Fe+2 (mg/l)	ORP (mV)
<b>MW-1</b>														
08/22/95	-	-	-	-	-	-	-	-	-	-	-	120	-	-
05/19/99	-	-	-	-	-	-	-	-	0.18	0.21	-	-	-	-
08/05/99	-	-	-	-	-	-	-	-	3.70	2.35	-	-	-	-
02/15/00	-	-	-	-	-	-	-	-	3.85	3.76	-	-	-	34
08/09/00	-	-	-	-	-	-	-	-	4.09	4.48	-	-	-	180
05/06/04	-	-	-	-	-	-	-	-	4.63	-	-	-	-	155
08/04/04	-	-	-	-	-	-	-	-	4.63	-	-	-	-	14
<b>MW-2</b>														
08/22/95	-	-	-	-	-	-	-	-	0.28	0.32	-	-	-	-
05/19/99	-	-	-	-	-	-	-	-	6.37	6.86	9.2	15	2.0	66.1
08/05/99	-	-	-	-	-	-	-	-	7.87	8.05	-	-	-	213
02/15/00	-	-	-	-	-	-	-	-	6.58	6.52	-	-	ND	254
08/09/00	-	-	-	-	-	-	-	-	7.49	-	-	-	35	174
02/24/04	-	-	-	-	-	-	-	-	6.32	-	-	-	-	163
05/06/04	-	-	-	-	-	-	-	-	4.26	-	-	-	-	10
08/04/04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-3</b>														
08/22/95	-	-	-	-	-	-	-	-	-	-	-	-	110	-
05/19/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/99	-	-	-	-	-	-	-	-	5.30	5.11	-	-	-	-
02/15/00	-	-	-	-	-	-	-	-	6.50	6.40	-	-	-	213
08/09/00	-	-	-	-	-	-	-	-	4.88	5.05	-	-	ND	248
02/24/04	-	-	-	-	-	-	-	-	3.19	-	-	-	50	173
05/06/04	-	-	-	-	-	-	-	-	3.75	-	-	-	-	165
08/04/04	-	-	-	-	-	-	-	-	4.21	-	-	-	-	10
11/10/04	-	-	-	-	-	-	-	-	3.20	-	-	-	-	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

	Date Sampled	n-Propyl-benzene (µg/l)	n-Butyl-benzene (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Pre-Purge DO	Post Purge DO	NO3	Sulfate (mg/l)	Carbon-Dioxide (mg/l)	TDS (mg/l)	Fe+2 (mg/l)	ORP (mV)	
<b>MW-4</b>																	
	08/22/95	--	--	--	--	--	--	--	--	--	ND	2.6	1.7	--	--	--	--
	05/19/99	--	--	--	--	--	--	--	0.18	0.17	ND	2.3	4.2	--	--	68.5	48.2
	08/05/99	--	--	--	--	--	--	--	1.22	1.30	ND	5.7	16	--	--	--	474
	11/24/99	--	--	--	--	--	--	--	3.81	4.55	ND	--	--	--	--	--	--
	02/15/00	--	--	--	--	--	--	--	6.21	5.76	43	11	--	--	--	--	56
	05/11/00	--	--	--	--	--	--	--	4.90	4.01	ND	2.7	5.2	--	--	--	94
	08/09/00	13	34	3.0	40	67	4.8	15	3.22	3.09	ND	4.5	8.9	--	--	--	34
	11/27/00	--	--	--	--	--	--	--	2.75	2.70	ND	7.4	ND	--	--	--	46
	02/14/01	--	--	--	--	--	--	--	6.8	3.2	ND	13	22	--	--	--	63
	05/11/01	--	--	--	--	--	--	--	5.2	3.4	0.206	5.3	7.5	--	--	--	44
	08/09/01	--	--	--	--	--	--	--	6.4	3.3	ND<1.0	3.3	12	--	--	--	54
	11/30/01	--	--	--	--	--	--	--	5.7	3.4	0.330	12	21	--	--	--	55
	02/07/02	--	--	--	--	--	--	--	2.5	3.3	ND<0.200	8.200	11	--	--	--	63
	05/10/02	--	--	--	--	--	--	--	1.1	--	0.270	4.600	18	--	--	--	61
	08/15/02	--	--	--	--	--	--	--	2.6	--	ND<0.89	1.7	20	--	--	--	-15
	11/14/02	--	--	--	--	--	--	--	1.6	--	ND<0.20	3.1	27	--	--	--	106
	02/13/03	--	--	--	--	--	--	--	1.4	--	ND<0.20	8.8	11	--	--	--	18
	05/16/03	--	--	--	--	--	--	--	1.4	--	2	15	13	--	--	--	55
	08/12/03	--	--	--	--	--	--	--	1.3	--	ND<1.0	1.3	39	--	--	--	30
	05/06/04	--	--	--	--	--	--	--	4.51	--	--	--	--	--	--	--	10
	08/04/04	--	--	--	--	--	--	--	4.64	--	ND<1.0	5.1	--	--	--	3.3	9
	11/10/04	--	--	--	--	--	--	--	1.48	--	--	--	--	--	--	--	--
	02/03/05	--	--	--	--	--	--	--	--	--	1.1	76	--	--	--	2.4	--
<b>MW-5</b>																	
	08/22/95	--	--	--	--	--	--	--	--	--	ND	0.38	--	--	--	--	--
	05/19/99	--	--	--	--	--	--	--	0.32	0.38	--	--	--	--	--	170	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Pre-Purge DO	Post Purge DO	NO3 (mg/l)	Sulfate (mg/l)	Carbon-Dioxide (mg/l)	TDS (mg/l)	Fe+2 (mg/l)	ORP (mV)
<b>MW-5 continued</b>														
08/05/99	--	--	--	--	--	--	--	--	6.94	4.31	--	--	--	--
02/15/00	--	--	--	--	--	--	--	--	9.11	8.96	--	--	--	129
08/09/00	--	--	--	--	--	--	--	--	6.45	4.90	--	--	--	94
05/06/04	--	--	--	--	--	--	--	--	3.29	--	--	--	--	166
<b>MW-6</b>														
08/22/95	--	--	--	--	--	--	--	--	0.32	0.32	--	--	--	--
05/19/99	--	--	--	--	--	--	--	--	5.11	5.10	--	--	--	--
08/05/99	--	--	--	--	--	--	--	--	6.23	5.90	--	--	--	203
02/15/00	--	--	--	--	--	--	--	--	7.06	6.84	--	--	--	266
08/09/00	--	--	--	--	--	--	--	--	2.19	--	--	60	--	170
02/24/04	--	--	--	--	--	--	--	--	1.59	--	--	--	--	210
05/06/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MW-7</b>														
08/22/95	--	--	--	--	--	--	--	--	0.38	0.51	2.9	12	1.6	--
05/19/99	--	--	--	--	--	--	--	--	7.95	8.56	9.4	12	--	50.1
02/15/00	--	--	--	--	--	--	--	--	6.4	7.3	7.3	14	12	--
02/14/01	--	--	--	--	--	--	--	--	6.5	6.8	3.400	13.000	ND<10	228
02/07/02	--	--	--	--	--	--	--	--	5.6	--	5.0	14	ND<10	294
02/13/03	--	--	--	--	--	--	--	--	5.57	--	--	35	--	233
02/24/04	--	--	--	--	--	--	--	--	5.34	--	--	--	--	85
05/06/04	--	--	--	--	--	--	--	--	--	--	--	--	--	223
<b>MW-8</b>														
08/22/95	--	--	--	--	--	--	--	--	0.04	0.10	ND	2.9	2.1	--
05/19/99	--	--	--	--	--	--	--	--	0.57	2.00	ND	7.6	3.6	--
08/05/99	--	--	--	--	--	--	--	--	4.87	5.21	ND	13	17	48.8
11/24/99	--	--	--	--	--	--	--	--	--	--	--	--	--	523

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene (µg/l)	n-Butyl-benzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	sec-Butyl-benzene (µg/l)	1,2,4-Trimethylbenzene (µg/l)	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	Pre-Purge DO	Post Purge DO	NO3 (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Fe+2 (mg/l)	ORP (mV)
<b>MW-8 continued</b>														
02/15/00	--	--	--	--	--	--	--	--	--	4.94	3.52	4.1	5.0	--
05/11/00	--	--	--	--	--	--	--	5.56	2.92	ND	1.2	6.2	--	6
08/09/00	--	--	9.3	--	--	--	--	2.45	2.44	ND	9.4	7.5	--	77
11/27/00	--	--	--	--	--	--	--	1.95	2.16	ND	11	5.3	--	52
02/14/01	--	--	--	--	--	--	--	4.1	3.2	ND	7.1	20	--	64
05/11/01	--	--	--	--	--	--	--	4.1	3.4	ND	11	9.5	--	62
08/09/01	--	--	--	--	--	--	--	5.5	4.8	ND<1.0	8.8	10	--	55
11/30/01	--	--	--	--	--	--	--	5.4	5.0	ND<0.200	16	16	--	49
02/07/02	--	--	--	--	--	--	--	2.5	3.0	0.540	6.500	13	--	57
05/10/02	--	--	--	--	--	--	--	1.3	--	ND<0.200	4.400	12	--	81
08/15/02	--	--	--	--	--	--	--	2.6	--	ND<0.89	8.2	12	--	2
11/14/02	--	--	--	--	--	--	--	1.6	--	ND<0.20	29	20	--	170
02/13/03	--	--	--	--	--	--	--	1.5	--	0.33	3.4	11	--	-15
05/16/03	--	--	--	--	--	--	--	1.0	--	ND<1	5.9	ND<10	--	60
08/12/03	--	--	--	--	--	--	--	1.4	--	ND<1.0	5.7	35	--	50
02/24/04	--	--	--	--	--	--	--	1.24	--	--	95	--	--	1
05/06/04	--	--	--	--	--	--	--	5.02	--	--	--	--	--	-55
08/04/04	--	--	--	--	--	--	--	4.68	--	--	--	--	--	-83
11/10/04	--	--	--	--	--	--	--	2.08	--	--	--	--	--	--
<b>MW-9</b>														
08/22/95	--	--	--	--	--	--	--	--	--	--	--	120	--	--
05/19/99	--	--	--	--	--	--	--	0.82	0.84	--	--	--	--	43.9
08/05/99	--	--	--	--	--	--	--	10.01	2.15	--	--	--	--	--
02/15/00	--	--	--	--	--	--	--	8.01	6.36	--	--	--	--	209
08/09/00	--	--	--	--	--	--	--	6.11	4.69	--	--	6.2	--	221
02/24/04	--	--	--	--	--	--	--	4.14	--	--	50	--	--	164

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene ( $\mu\text{g/l}$ )	n-Butyl-benzene ( $\mu\text{g/l}$ )	1,3,5-Trimethylbenzene ( $\mu\text{g/l}$ )	sec-Butyl-benzene ( $\mu\text{g/l}$ )	1,2,4-Trimethylbenzene ( $\mu\text{g/l}$ )	Isopropyl-benzene ( $\mu\text{g/l}$ )	p-Isopropyl-toluene ( $\mu\text{g/l}$ )	Pre-Purge DO	Post Purge DO	NO3	Sulfate	Carbon-Dioxide (mg/l)	TDS	Fe+2	ORP (mV)
<b>MW-9 continued</b>															
05/06/04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	146
<b>MW-10</b>															
08/22/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/99	--	--	--	--	--	--	--	0.63	0.65	3.3	12	2.2	--	--	19.1
08/05/99	--	--	--	--	--	--	--	3.06	1.45	ND	7.9	3.6	--	--	55.2
02/15/00	--	--	--	--	--	--	--	6.28	8.14	8.2	14	--	--	--	225
08/09/00	--	--	--	--	--	--	--	2.82	3.53	ND	10	6.4	--	--	106
02/14/01	--	--	--	--	--	--	--	3.7	4.7	ND	12	15	--	--	168
08/09/01	--	--	--	--	--	--	--	3.4	4.4	ND<1.0	11	12	--	--	154
02/07/02	--	--	--	--	--	--	--	4.5	5.6	1.100	13.000	13	--	--	170
08/15/02	--	--	--	--	--	--	--	2.5	--	ND<0.89	9.7	13	--	--	-15
02/13/03	--	--	--	--	--	--	--	4.6	--	2.2	17	ND<10	--	--	81
08/12/03	--	--	--	--	--	--	--	2.1	--	ND<1.0	12	35	--	--	151
02/24/04	--	--	--	--	--	--	--	5.93	--	--	15	45	--	ND<0.20	181
05/06/04	--	--	--	--	--	--	--	5.13	--	--	--	--	--	--	179
08/04/04	--	--	--	--	--	--	--	0.00331	--	ND<1.0	11	--	--	1.4	-40
11/10/04	--	--	--	--	--	--	--	2.32	--	--	--	--	--	--	--
02/03/05	--	--	--	--	--	--	--	--	--	6.0	45	--	--	ND<0.20	--
<b>MW-11</b>															
08/22/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/19/99	--	--	--	--	--	--	--	0.22	0.20	3.9	11	1.9	--	--	66.7
08/05/99	--	--	--	--	--	--	--	1.16	2.08	ND	9.6	3.3	--	--	46.3
11/24/99	--	--	--	--	--	--	--	5.71	6.33	5.0	11	11	--	--	533
02/15/00	--	--	--	--	--	--	--	6.08	6.66	6.4	10	--	--	--	185
05/11/00	--	--	--	--	--	--	--	6.93	5.77	ND	9.6	ND	--	--	173
08/09/00	--	--	--	--	--	--	--	2.64	3.56	ND	8.0	6.4	--	--	58

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene (µg/l)	1,3,5-Trimethyl-benzene (µg/l)	sec-Butyl-benzene (µg/l)	1,2,4-Trimethyl-benzene (µg/l)	Isopropyl-benzene (µg/l)	p-Isopropyl-toluene (µg/l)	TDS (mg/l)	Sulfate (mg/l)	Carbon-Dioxide (mg/l)	Fe+2 (mg/l)	ORP (mV)
<b>MW-11 continued</b>											
11/27/00	--	--	--	--	--	--	3.14	3.51	ND	7.9	6.7
02/14/01	--	--	--	--	--	--	5.9	6.9	ND	10	9.3
05/11/01	--	--	--	--	--	--	5.5	6.7	0.504	12	9.0
08/09/01	--	--	--	--	--	--	3.9	5.3	ND<1.0	2.8	11
11/30/01	--	--	--	--	--	--	5.1	6.4	1.600	12	13
02/07/02	--	--	--	--	--	--	3.9	4.8	0.990	11,000	13
05/10/02	--	--	--	--	--	--	1.7	--	0.320	7,500	14
08/15/02	--	--	--	--	--	--	2.8	--	ND>0.89	2.6	13
11/14/02	--	--	--	--	--	--	1.1	--	ND<0.20	13	22
02/13/03	--	--	--	--	--	--	2.4	--	1.9	14	ND<10
05/16/03	--	--	--	--	--	--	3.8	--	ND<1	98	ND<10
08/12/03	--	--	--	--	--	--	1.9	--	ND<1.0	4.6	36
02/24/04	--	--	--	--	--	--	2.81	--	--	13	50
05/06/04	--	--	--	--	--	--	6.67	--	--	--	--
08/04/04	--	--	--	--	--	--	5.76	--	ND<1.0	5.2	--
11/10/04	--	--	--	--	--	--	1.64	--	--	--	--
02/03/05	--	--	--	--	--	--	--	6.0	42	--	ND>0.20
<b>MW-12</b>											
05/19/99	--	--	--	--	--	--	0.35	0.28	--	--	11.3
08/05/99	--	--	--	--	--	--	6.80	5.41	9.1	29	1.0
02/15/00	--	--	--	--	--	--	8.20	8.57	9.3	25	--
08/09/00	--	--	--	--	--	--	7.19	6.58	8.2	21	ND
02/14/01	--	--	--	--	--	--	8.8	7.4	7.0	18	5.4
08/09/01	--	--	--	--	--	--	6.8	6.1	10	20	5.0
02/07/02	--	--	--	--	--	--	9.0	8.9	2.700	13,000	ND<10
08/15/02	--	--	--	--	--	--	1.9	--	8.8	19	15

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	n-Propyl-benzene ( $\mu\text{g/l}$ )	n-Butyl-benzene ( $\mu\text{g/l}$ )	1,3,5-Trimethylbenzene ( $\mu\text{g/l}$ )	sec-Butyl-benzene ( $\mu\text{g/l}$ )	1,2,4-Trimethylbenzene ( $\mu\text{g/l}$ )	Isopropyl-benzene ( $\mu\text{g/l}$ )	p-Isopropyl-toluene ( $\mu\text{g/l}$ )	Pre-Purge DO Post Purge DO	NO3	Sulfate	Carbon-Dioxide (mg/l)	TDS	Fe+2	ORP (mV)
<b>MW-12 continued</b>														
08/12/03	--	--	--	--	--	--	--	--	1.2	--	8.8	21	26	--
02/24/04	--	--	--	--	--	--	--	--	6.13	--	--	19	30	--
05/06/04	--	--	--	--	--	--	--	--	5.27	--	--	--	--	187
08/04/04	--	--	--	--	--	--	--	--	5.48	--	8.0	19	--	210
02/03/05	--	--	--	--	--	--	--	--	--	--	11	19	--	-61
														ND<0.20
														ND<0.20
														--

**Table 3 b**  
**BULK PLANT 0220**  
**ADDITIONAL ANALYTICAL RESULTS**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang	TPH-MO	TOG	Dissolved Iron	D-Manganese	Kerosene	Pre-Purge ORP	Dissolved CO <sub>2</sub>
	(pH)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(mV)	(µg/l)
<b>MW-1</b>												
05/19/99	-	-	-	-	-	-	-	-	-	-	-	-
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	-
08/04/04	-	-	-	-	-	-	-	-	-	-	50	-
<b>MW-2</b>												
02/07/89	-	-	-	-	-	-	-	-	-	-	-	-
08/03/89	-	-	-	-	-	-	-	ND	-	-	-	-
10/26/89	-	-	-	-	-	-	-	ND	-	-	-	-
01/26/90	-	-	-	-	-	-	-	ND	-	-	-	-
04/30/90	-	-	-	-	-	-	-	0.0069	-	-	-	-
07/30/90	-	-	-	-	-	-	-	ND	-	-	-	-
10/29/90	-	-	-	-	-	-	-	ND	-	-	-	-
01/29/91	-	-	-	-	-	-	-	ND	-	-	-	-
04/26/91	-	-	-	-	-	-	-	ND	-	-	-	-
07/19/91	-	-	-	-	-	-	-	ND	-	-	-	-
08/05/99	-	ND	-	-	-	-	-	0.039	ND	-	-	-
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	-
02/24/04	6.51	-	-	-	-	-	-	-	-	-	-	-
08/04/04	-	-	-	-	-	-	-	-	-	-	-	30
<b>MW-3</b>												
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	-
02/24/04	6.10	-	-	-	-	-	-	-	-	-	-	-
08/04/04	-	-	-	-	-	-	-	-	-	-	-	30
11/10/04	5.48	-	-	-	-	-	-	-	-	-	-	15
<b>MW-4</b>												
05/19/99	-	120	-	-	-	-	-	-	-	-	5.0	0.67

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang	TPH-MO	TOG	Dissolved Iron	D-Manganese	Kerosene	Pre-Purge ORP	Dissolved CO2	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(mV)	(µg/l)
<b>MW-4 continued</b>																		
08/05/99	-	ND	-	-	-	-	-	-	-	6.2	0.77	-	-	-	-	-	-	-
11/24/99	-	ND	-	-	-	-	-	-	-	2.68	1.21	-	-	-	-	-	-	-
02/15/00	-	ND	-	-	-	-	-	-	-	1.30	0.213	-	-	-	-	-	-	-
05/11/00	-	ND	-	-	-	-	-	-	-	4.0	0.470	-	-	-	-	-	-	-
08/09/00	-	ND	36	26	-	-	-	-	-	1.2	0.99	-	-	-	-	-	-	-
11/27/00	-	ND	-	-	-	-	-	-	-	1.49	0.326	-	-	-	-	-	-	-
02/14/01	-	ND	-	-	-	-	-	-	-	0.724	0.988	-	-	-	-	-	-	-
05/11/01	-	ND	-	-	-	-	-	-	-	2.68	0.874	-	-	-	-	-	-	-
08/09/01	-	ND<1000	-	-	-	-	-	-	-	6.0	0.87	-	-	-	-	-	-	-
11/30/01	-	ND<1000	-	-	-	-	-	-	-	11.000	1.600	-	-	-	-	-	-	-
02/07/02	-	ND<2000	-	-	-	-	-	-	-	10.000	0.860	-	-	-	-	-	-	-
05/10/02	-	ND<2000	-	-	-	-	-	-	-	2.500	0.870	-	-	-	-	-	-	-
08/15/02	-	ND<2000	-	-	-	-	-	-	-	0.89	1.0	-	-	-	-	-	-	-
11/14/02	-	ND<2000	-	-	-	-	-	-	-	4.9	1.3	-	-	-	-	-	-	-
02/13/03	-	ND<2000	-	-	-	-	-	-	-	7.0	1.0	-	-	-	-	-	-	-
05/16/03	-	ND<2000	-	-	-	-	-	-	-	8.1	0.39	-	-	-	-	-	-	-
08/12/03	-	21	-	-	-	-	-	-	-	13	1.0	-	-	-	-	-	-	-
05/06/04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-
08/04/04	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-
11/10/04	5.48	-	21	-	-	-	-	-	-	-	-	-	-	-	-	11	50	-
02/03/05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-5</b>																		
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-6</b>																		
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02/24/04	6.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang	TPH-MO	TOG	Dissolved Iron	D. Manganese	Kerosene	Pre-Purge ORP	Dissolved CO <sub>2</sub>
	(pH)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)	(mV)	(µg/l)
<b>MW-7</b>												
05/19/99	-	ND	-	-	-	260	-	1.7	0.063	-	-	-
02/15/00	-	ND	-	-	-	-	-	0.580	0.0108	-	-	-
02/14/01	-	ND	-	-	-	-	-	0.324	0.0195	-	-	-
02/07/02	-	ND<2000	-	-	-	-	-	ND<0.300	ND<0.010	-	-	-
02/13/03	-	ND<2000	-	-	-	-	-	0.15	0.011	-	-	-
02/24/04	5.78	-	-	-	-	-	-	-	-	-	-	-
<b>MW-8</b>												
05/19/99	-	98	-	-	-	-	-	6.8	1.4	8400	-	-
08/05/99	-	ND	-	-	-	-	-	5.9	0.95	-	-	-
11/24/99	-	ND	-	-	-	-	-	7.40	1.88	-	-	-
02/15/00	-	ND	-	-	-	-	-	4.00	1.22	-	-	-
05/11/00	-	ND	-	-	-	-	-	5.9	1.20	-	-	-
08/09/00	-	ND	-	-	-	-	-	1.1	0.80	-	-	-
11/27/00	-	ND	-	-	-	-	-	2.45	1.02	-	-	-
02/14/01	-	ND	-	-	-	-	-	0.140	0.978	-	-	-
05/11/01	-	ND	-	-	-	-	-	5.72	1.21	-	-	-
08/09/01	-	ND<1000	-	-	-	-	-	3.5	0.94	-	-	-
11/30/01	-	ND<1000	-	-	-	-	-	8.900	1.700	-	-	-
02/07/02	-	ND<2000	-	-	-	-	-	8.600	1.900	-	-	-
05/10/02	-	ND<2000	-	-	-	-	-	4.900	1.400	-	-	-
08/15/02	-	ND<2000	-	-	-	-	-	ND<0.050	0.76	-	-	-
11/14/02	-	ND<2000	-	-	-	-	-	0.24	1.4	-	-	-
02/13/03	-	ND<2000	-	-	-	-	-	14	2.4	-	-	-
05/16/03	-	ND<2000	-	-	-	-	-	7.1	1.4	-	-	-
08/12/03	-	ND<10	-	-	-	-	-	8.5	1.0	-	-	-
02/24/04	7.42	-	-	-	-	-	-	-	-	-	-	-

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang.	TPH-MO	TOG	Dissolved Iron	D-Manganese	Kerosene	Pre-Punge ORP	Dissolved CO2
	(pH)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(µg/l)
<b>MW-8 continued</b>												
05/06/04	-	-	-	-	-	-	-	-	-	-	-	50
08/04/04	-	-	-	-	-	-	-	-	-	-	-	50
11/10/04	4.91	-	-	-	-	-	-	-	-	68	95	
<b>MW-9</b>												
08/09/00	-	ND	-	-	-	-	-	-	-	-	-	
02/24/04	7.11	-	-	-	-	-	-	-	-	-	-	
<b>MW-10</b>								ND	-	-	-	-
01/27/93	-	-	-	-	-	-	-	0.046	0.033	-	-	
05/19/99	-	ND	-	-	-	-	-	0.17	0.84	-	-	
08/05/99	-	ND	-	-	-	-	-	0.0820	0.0176	-	-	
02/15/00	-	ND	-	-	-	-	-	0.63	1.0	-	-	
08/09/00	-	ND	-	-	-	-	-	1.26	0.691	-	-	
02/14/01	-	ND	-	-	-	-	-	-	1.6	1.3	-	
08/09/01	-	ND<1000	-	-	-	-	-	ND<0.300	0.019	-	-	
02/07/02	-	ND>2000	-	-	-	-	-	ND<0.050	1.1	-	-	
08/15/02	-	ND>2000	-	-	-	-	-	-	3.4	0.33	-	
02/13/03	-	ND>2000	-	-	-	-	-	-	2.9	1.3	-	
08/12/03	-	ND<10	-	-	-	-	-	-	-	-	-	
02/24/04	7.09	ND<0.01	-	-	0.15	-	-	-	-	-	-	
08/04/04	-	0.013	-	-	1.1	-	-	-	-	-	-	35
11/10/04	5.41	-	-	-	-	-	-	-	-	-	41	50
02/03/05	-	ND<1.0	-	-	0.20	-	-	-	-	-	-	-
<b>MW-11</b>										ND	0.011	2700
05/19/99	-	30	-	-	-	-	-	-	-	0.85	0.26	-
08/05/99	-	ND	-	-	-	-	-	-	-	1.60	0.394	-
11/24/99	-	ND	-	-	-	-	-	-	-	-	-	-

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang	TPH-MO	TOG	Dissolved Iron	D-Manganese	Kerosene	Pre-Purge ORP	Dissolved CO2
	(pH)	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	(mg/l)	( $\mu\text{g/l}$ )	(mg/l)	(mg/l)	(mg/l)	( $\mu\text{g/l}$ )	(mV)	( $\mu\text{g/l}$ )
<b>MW-11 continued</b>												
02/15/00	-	ND	-	-	-	-	-	0.120	ND	-	-	-
05/11/00	-	6800	-	-	-	-	-	0.27	0.0140	-	-	-
08/09/00	-	ND	-	-	-	-	-	0.93	0.56	-	-	-
11/27/00	-	ND	-	-	-	-	-	2.62	0.973	-	-	-
02/14/01	-	ND	-	-	-	-	-	0.0613	0.0573	-	-	-
05/11/01	-	ND	-	-	-	-	-	0.0882	0.0244	-	-	-
08/09/01	-	ND<1000	-	-	-	-	-	1.5	0.63	-	-	-
11/30/01	-	ND<1000	-	-	-	-	-	0.790	0.210	-	-	-
02/07/02	-	ND<2000	-	-	-	-	-	ND<0.300	ND<0.10	-	-	-
05/10/02	-	ND<2000	-	-	-	-	-	ND<0.300	0.024	-	-	-
08/15/02	-	ND<2000	-	-	-	-	-	ND<0.050	0.76	-	-	-
11/14/02	-	ND<2000	-	-	-	-	-	0.024	1.0	-	-	-
02/13/03	-	ND<2000	-	-	-	-	-	0.28	0.011	-	-	-
05/16/03	-	ND<2000	-	-	-	-	-	ND<0.30	ND<0.10	-	-	-
08/12/03	-	ND<10	-	-	-	-	-	2.8	0.53	-	-	-
02/24/04	6.78	ND<0.01	-	-	ND<0.005	-	-	-	-	-	-	-
05/06/04	-	-	-	-	-	-	-	-	-	-	15	-
08/04/04	-	0.045	-	-	0.67	-	-	-	-	-	65	-
11/10/04	5.67	-	-	-	-	-	-	-	-	-	2	55
02/03/05	-	ND<1.0	-	-	ND<0.0050	-	-	-	-	-	-	-
<b>MW-12</b>												
08/05/99	-	ND	-	-	-	-	-	-	-	0.48	ND	-
02/15/00	-	ND	-	-	-	-	-	-	-	6.30	0.0765	-
08/09/00	-	ND	-	-	-	-	-	-	-	0.62	0.015	-
02/14/01	-	ND	-	-	-	-	-	-	-	1.33	0.0220	-
08/09/01	-	ND<1000	-	-	-	-	-	-	-	0.93	0.031	-

**Table 3 b**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0220**

Date Sampled	pH	Methane	Fluorene	Phenanthrene	Mang	TPH-MO	TOG	Dissolved Iron	D-Manganese	Kerosene	Pre-Purge ORP	Dissolved CO2
	(pH)	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	(mV)	( $\mu\text{g/l}$ )					
<b>MW-12 continued</b>												
02/07/02	-	ND<2000	-	-	-	-	-	-	-	ND<0.300	ND<0.010	-
08/15/02	-	ND<2000	-	-	-	-	-	-	-	ND<0.050	ND<0.010	-
08/12/03	-	ND<10	-	-	-	-	-	-	-	0.30	0.0080	-
02/24/04	6.86	ND<0.01	-	-	ND<0.005	-	-	-	-	-	-	-
08/04/04	-	ND<0.010	-	-	ND<0.0050	-	-	-	-	-	-	45
02/03/05	-	ND<1.0	-	-	ND<0.0050	-	-	-	-	-	-	-

## Bulk Plant 0220

**Table 4**  
**Headspace Measurements**

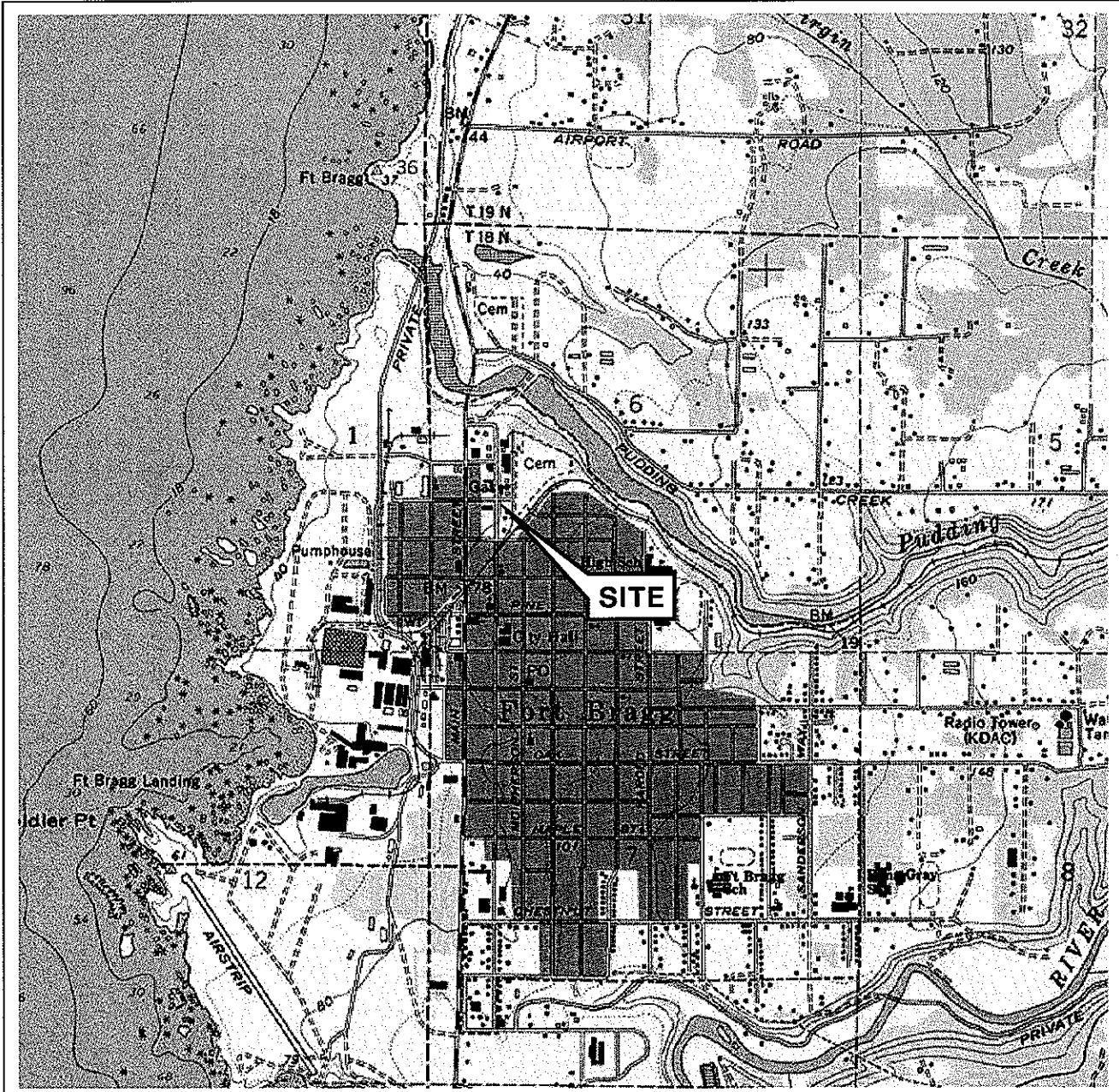
Well Name	Date	Percent Carbon Dioxide	Percent Oxygen	Organic Vapors (ppm)
MW-1	08/04/04	0.20	20.50	0.00
MW-1	02/03/05	0.60	21.60	0.00
<b>MW-1</b>	<b>05/05/05</b>	<b>0.10</b>	<b>20.90</b>	<b>0.00</b>
MW-2	05/06/04	0.00	20.90	0.00
MW-2	08/04/04	0.00	20.70	0.00
MW-2	02/03/05	1.00	20.70	0.00
<b>MW-2</b>	<b>05/05/05</b>	<b>0.60</b>	<b>20.20</b>	<b>0.00</b>
MW-3	05/06/04	0.00	20.60	0.90
MW-3	08/04/04	0.00	20.40	0.00
MW-3	11/10/04	1.00	20.30	3.00
MW-3	02/03/05	0.30	21.60	0.00
<b>MW-3</b>	<b>05/05/05</b>	<b>0.20</b>	<b>20.90</b>	<b>0.00</b>
MW-4	05/06/04	0.00	20.60	1.50
MW-4	08/04/04	0.00	20.50	0.00
MW-4	11/10/04	0.00	20.80	13.30
MW-4	02/03/05	0.10	21.60	0.00
<b>MW-4</b>	<b>05/05/05</b>	<b>0.00</b>	<b>20.90</b>	<b>0.00</b>
MW-5	05/06/04	0.30	20.30	0.00
MW-6	05/06/04	0.90	20.20	0.00
MW-6	02/03/05	0.40	21.70	0.00
<b>MW-6</b>	<b>05/05/05</b>	<b>0.50</b>	<b>20.90</b>	<b>0.00</b>
MW-7	05/06/04	0.20	20.20	0.00
MW-7	02/03/05	0.30	21.60	0.00
<b>MW-7</b>	<b>05/05/05</b>	<b>0.00</b>	<b>20.90</b>	<b>0.00</b>
MW-8	05/06/04	0.00	20.90	71.10
MW-8	08/04/04	0.00	20.70	0.00
MW-8	11/10/04	0.10	20.90	12.20
MW-8	02/03/05	0.30	21.60	2.30
<b>MW-8</b>	<b>05/05/05</b>	<b>0.00</b>	<b>20.90</b>	<b>0.00</b>
MW-9	05/06/04	0.30	20.40	0.00
MW-9	02/03/05	2.00	21.10	0.00
<b>MW-9</b>	<b>05/05/05</b>	<b>1.10</b>	<b>18.60</b>	<b>0.00</b>
MW-10	05/06/04	0.20	20.10	0.00
MW-10	08/04/04	0.10	20.20	0.00
MW-10	11/10/04	1.30	0.90	6.90

## Bulk Plant 0220

**Table 4**  
**Headspace Measurements**

MW-10	02/03/05	0.60	21.90	0.00
<b>MW-10</b>	<b>05/05/05</b>	<b>0.10</b>	<b>20.90</b>	<b>0.00</b>
MW-11	05/06/04	0.00	20.70	0.00
MW-11	08/04/04	0.00	20.40	0.00
MW-11	11/10/04	0.20	21.00	4.20
MW-11	02/03/05	0.10	22.10	0.00
<b>MW-11</b>	<b>05/05/05</b>	<b>0.00</b>	<b>20.90</b>	<b>0.00</b>
MW-12	05/06/04	1.30	19.60	0.00
MW-12	08/04/04	0.10	20.20	0.00
MW-12	02/03/05	0.60	0.00	21.80
<b>MW-12</b>	<b>05/05/05</b>	<b>0.20</b>	<b>20.90</b>	<b>0.00</b>

# **FIGURES**



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey  
7.5 Minute Topographic Map:  
Fort Bragg Quadrangle



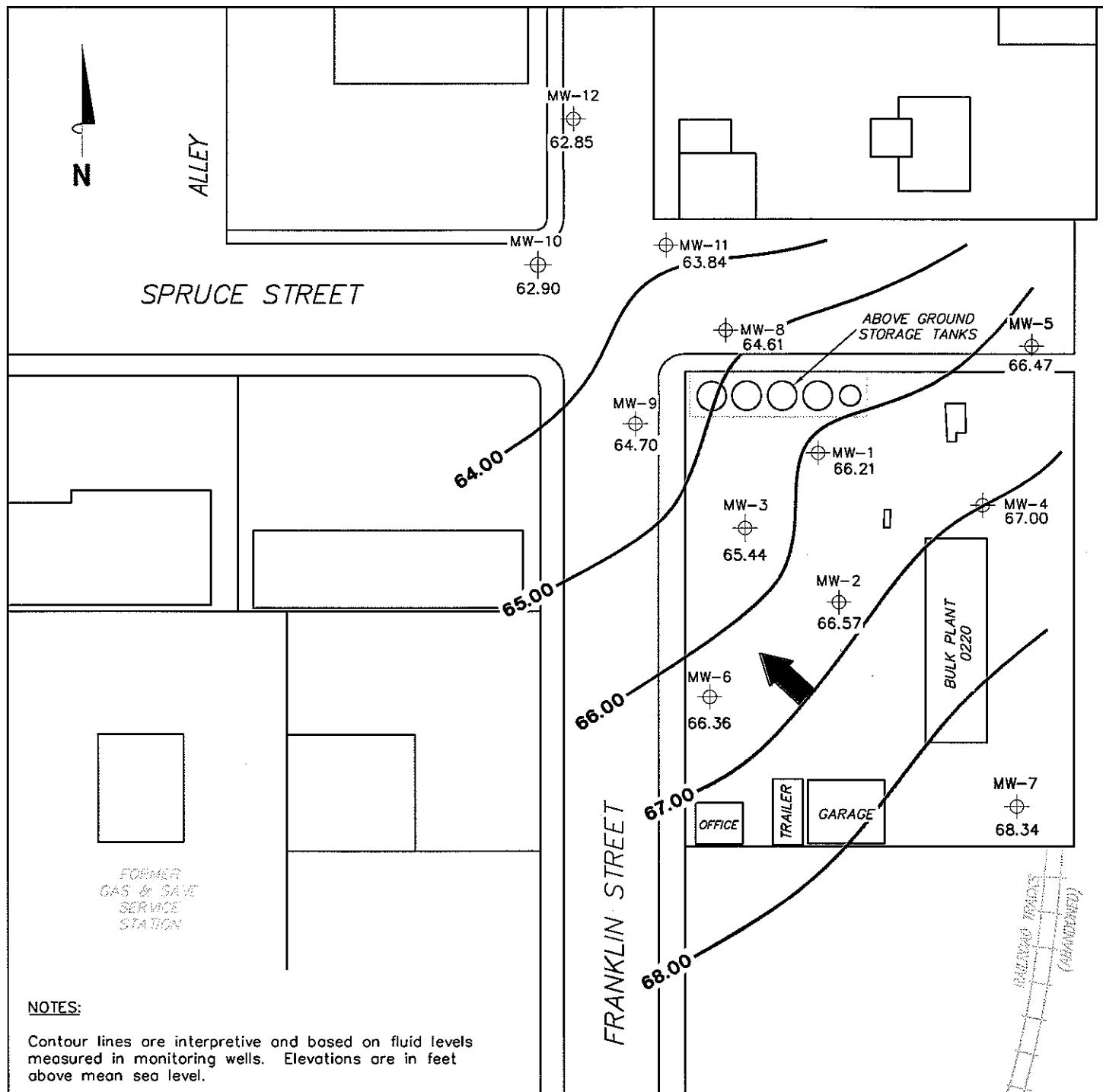
**VICINITY MAP**

Bulk Plant 0220  
720 North Franklin Street  
Fort Bragg, California

PS = 1:1

**TRC**

**FIGURE 1**



#### LEGEND

- MW-12 Monitoring Well with Groundwater Elevation (feet)
- 68.00— Groundwater Elevation Contour
- General Direction of Groundwater Flow

**GROUNDWATER ELEVATION  
CONTOUR MAP  
May 5, 2005**

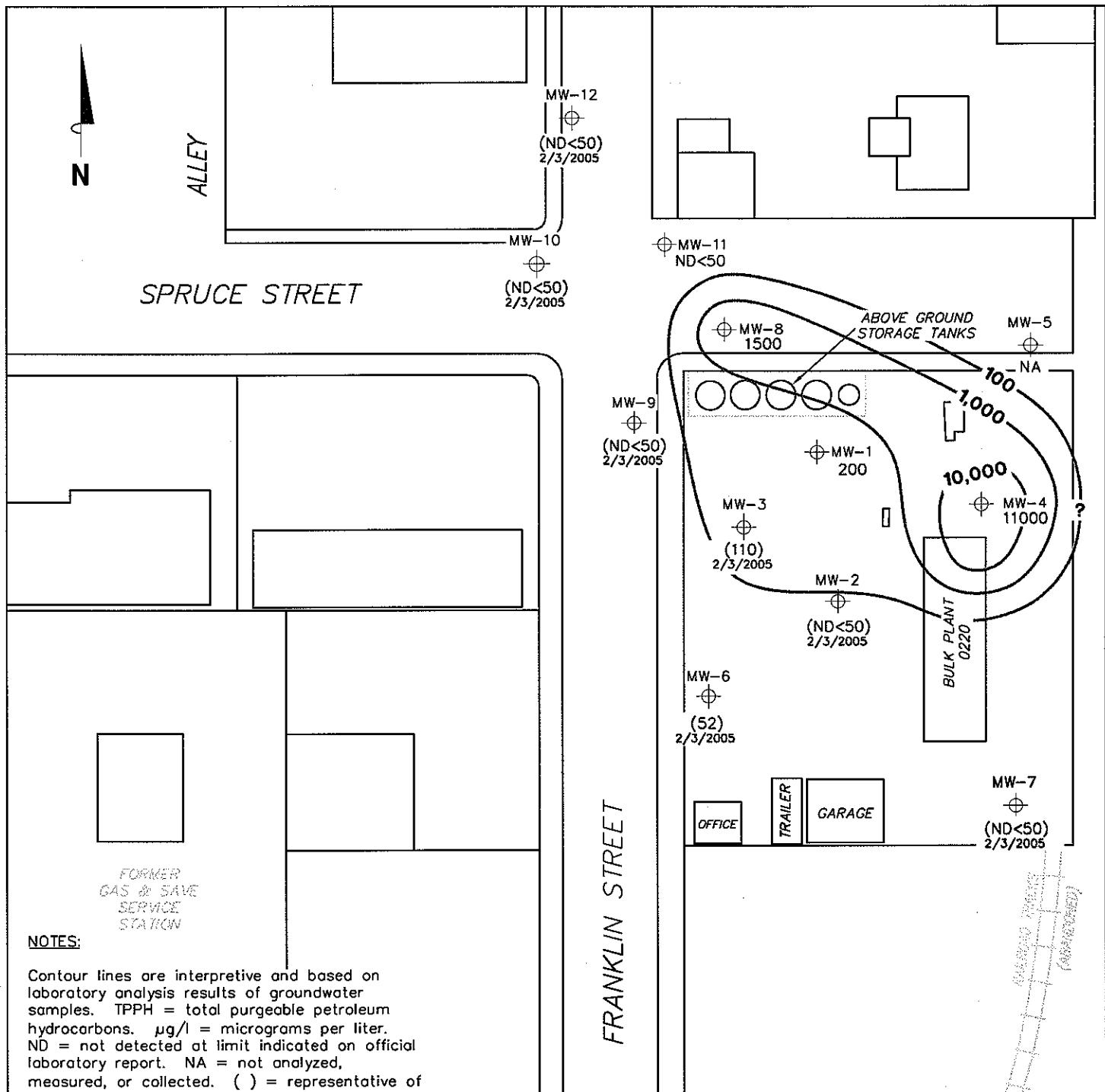
Bulk Plant 0220  
720 North Franklin Street  
Fort Bragg, California

PSI:1:1 0220-003

**TRC**

SCALE (FEET)  
0 60

**FIGURE 2**



#### LEGEND

MW-12 Monitoring Well with Dissolved-Phase TPPH Concentration ( $\mu\text{g/l}$ )

—10,000— Dissolved-Phase TPPH Contour ( $\mu\text{g/l}$ )

#### DISSOLVED-PHASE TPPH CONCENTRATION MAP

May 5, 2005

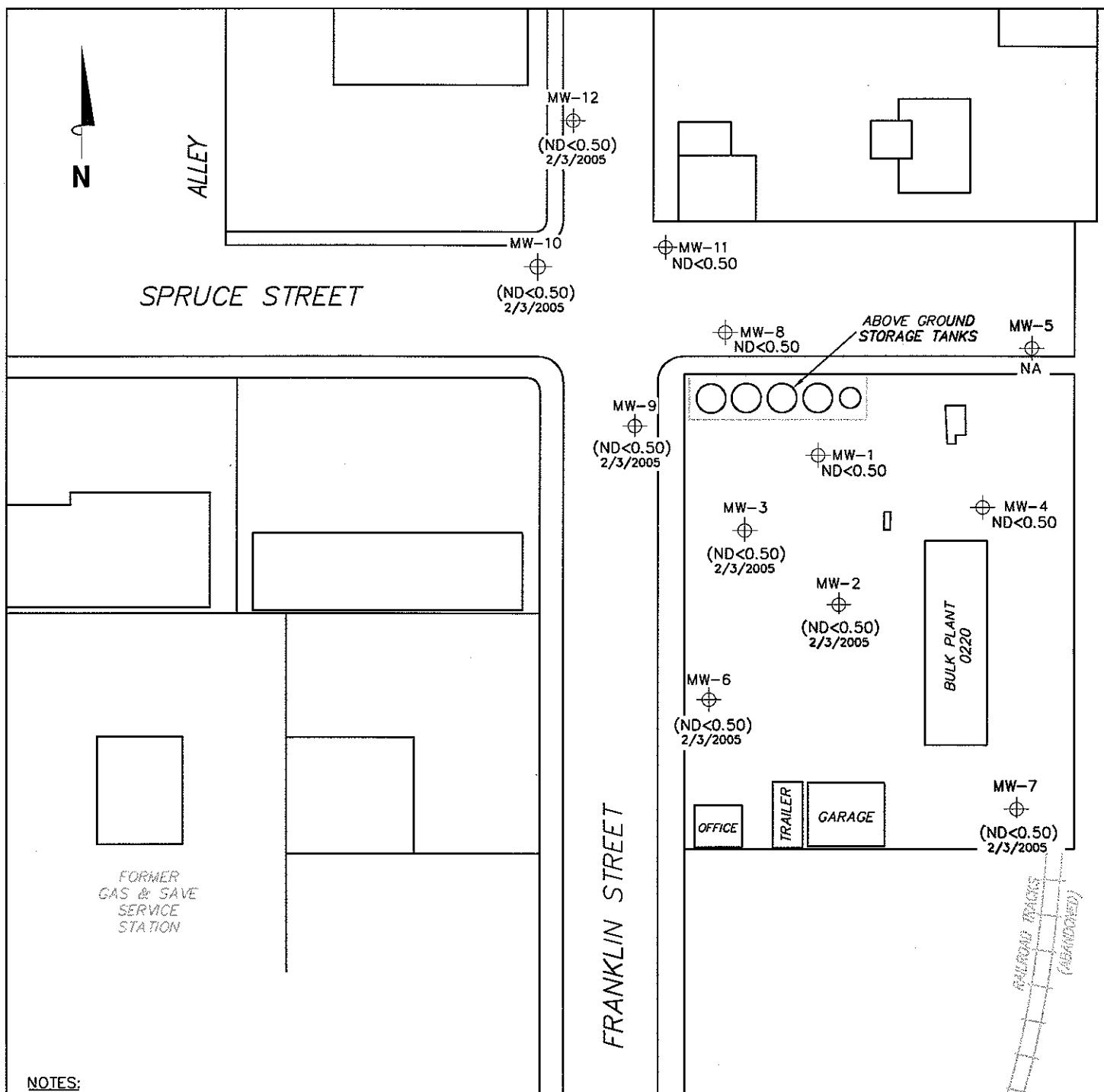
Bulk Plant 0220  
720 North Franklin Street  
Fort Bragg, California

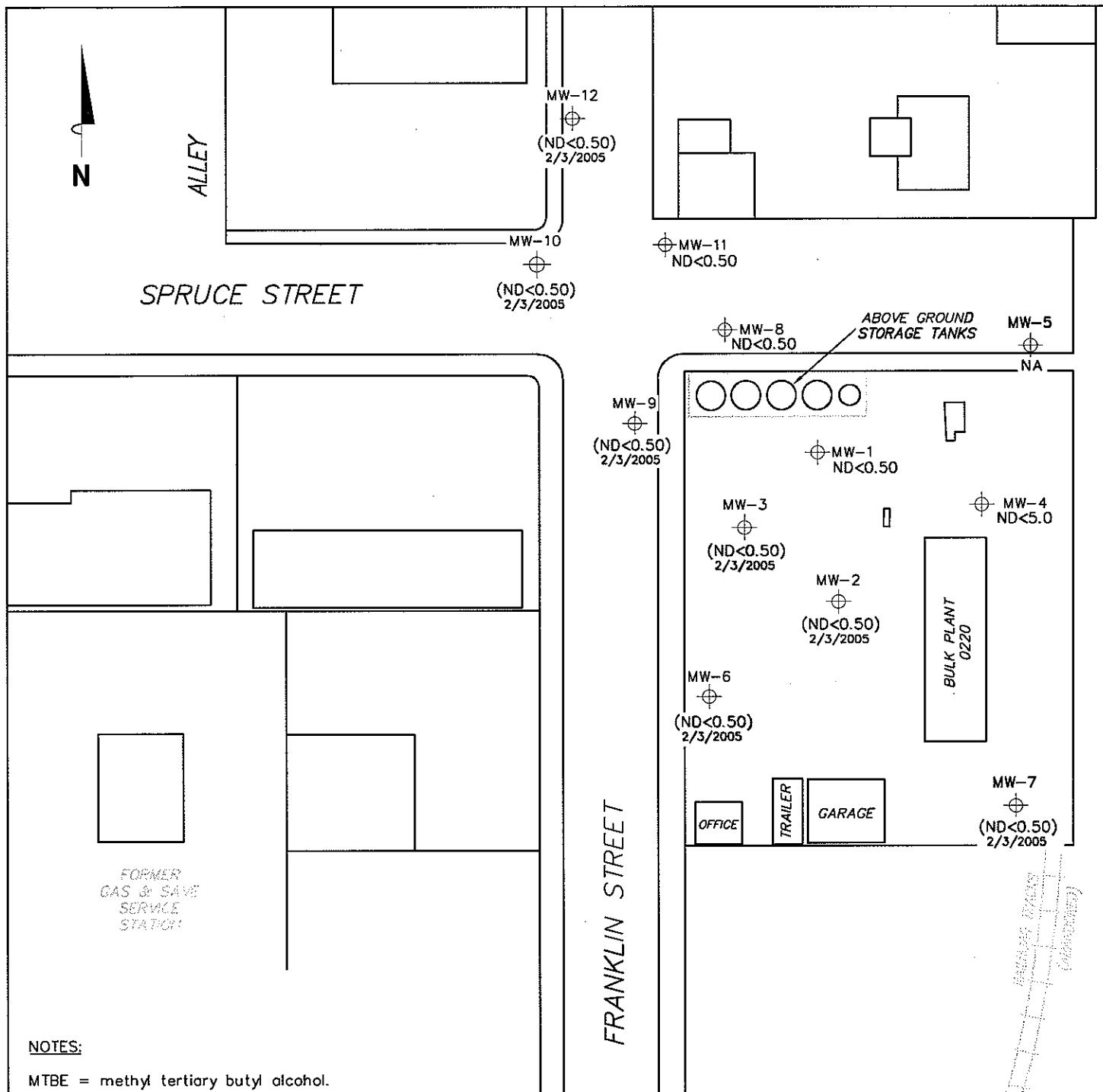
PSI:1:1 0220-003

**TRC**

SCALE (FEET)  
0 60

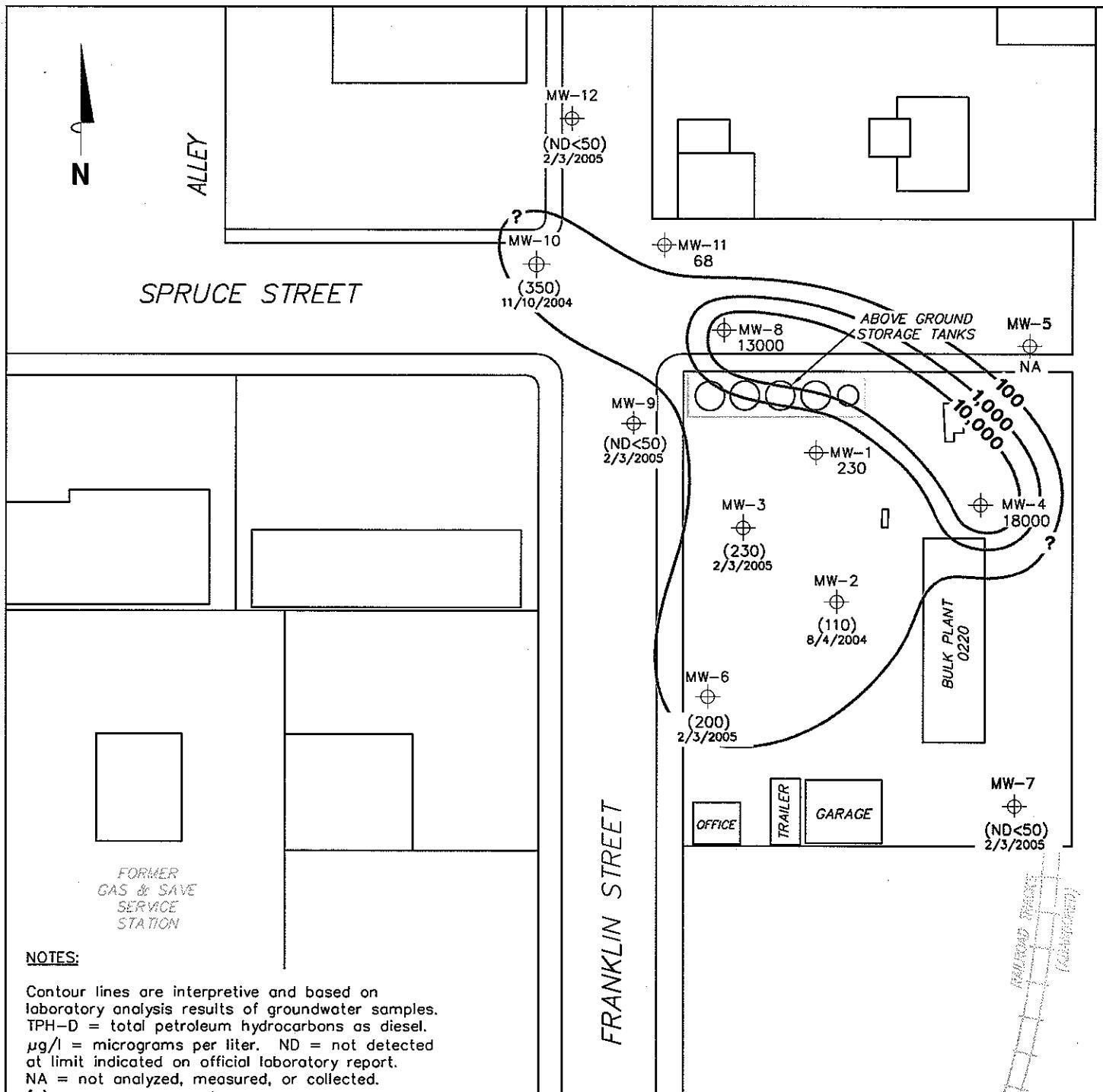
**FIGURE 3**





**DISSOLVED-PHASE MTBE CONCENTRATION MAP**  
**May 5, 2005**

Bulk Plant 0220  
 720 North Franklin Street  
 Fort Bragg, California



**DISSOLVED-PHASE TPH-D CONCENTRATION MAP**  
**May 5, 2005**

Bulk Plant 0220  
720 North Franklin Street  
Fort Bragg, California

SCALE (FEET)  
0 60

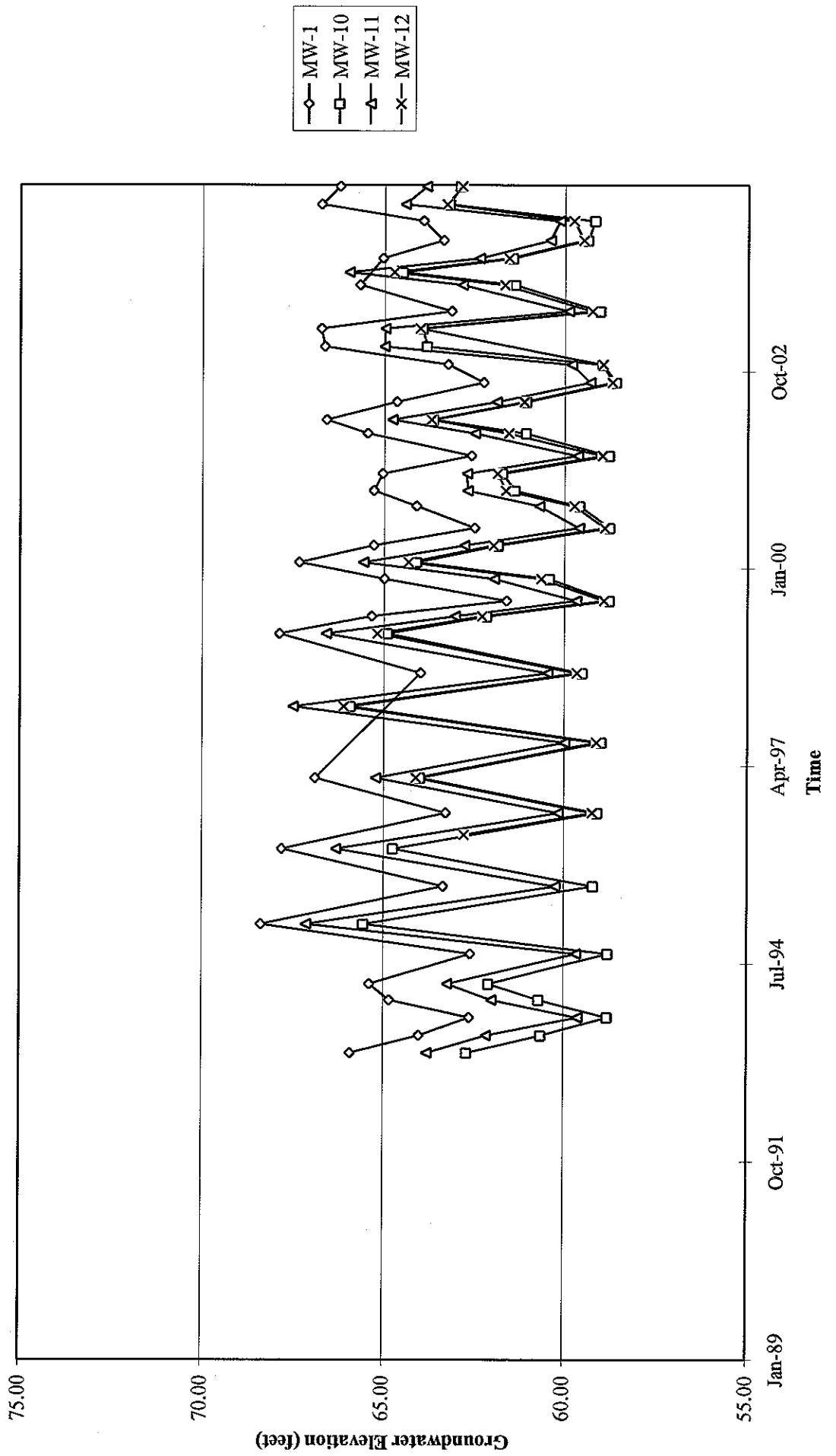
PS=1:1 0220-003

**TRC**

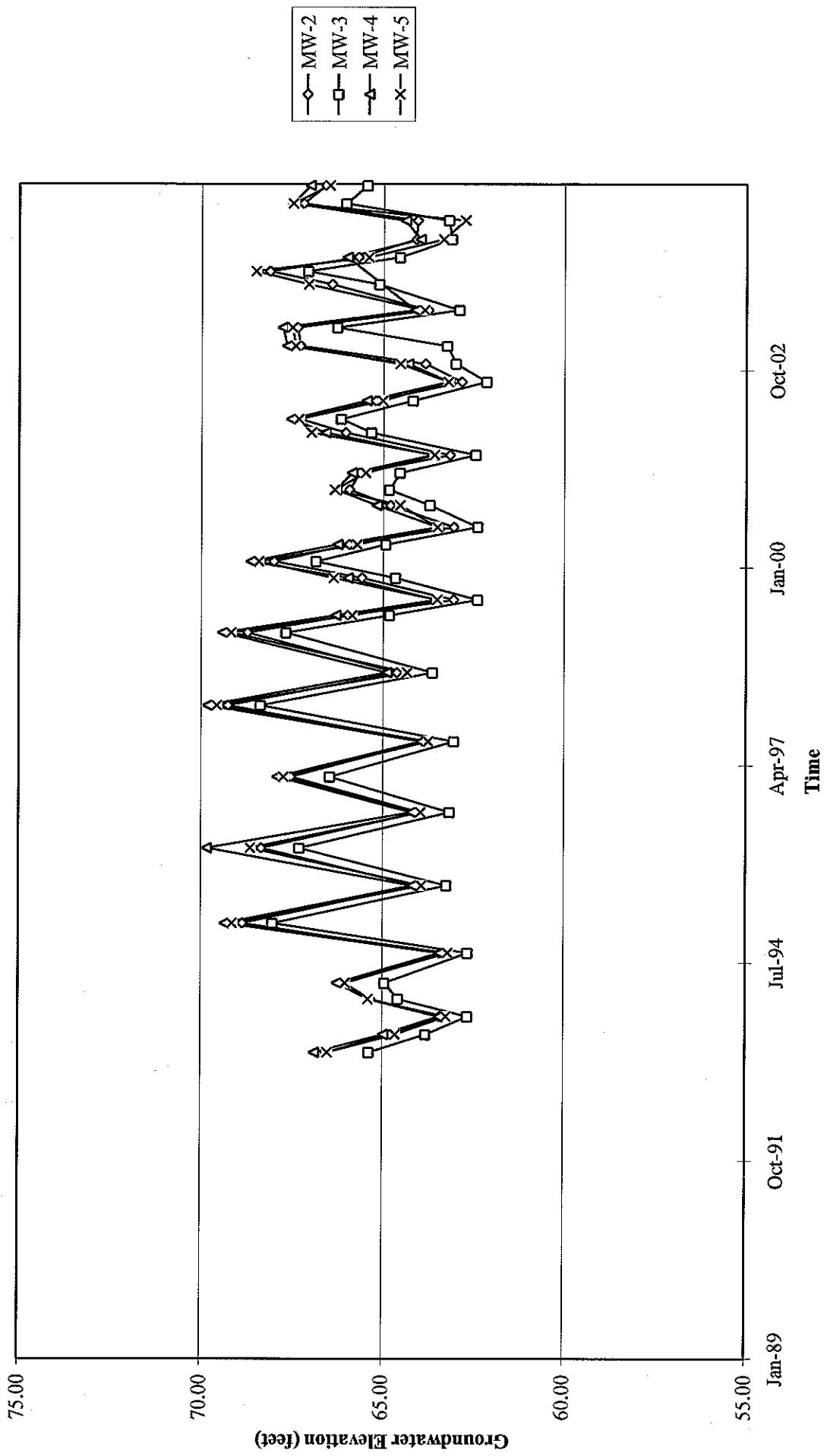
**FIGURE 6**

# GRAPHS

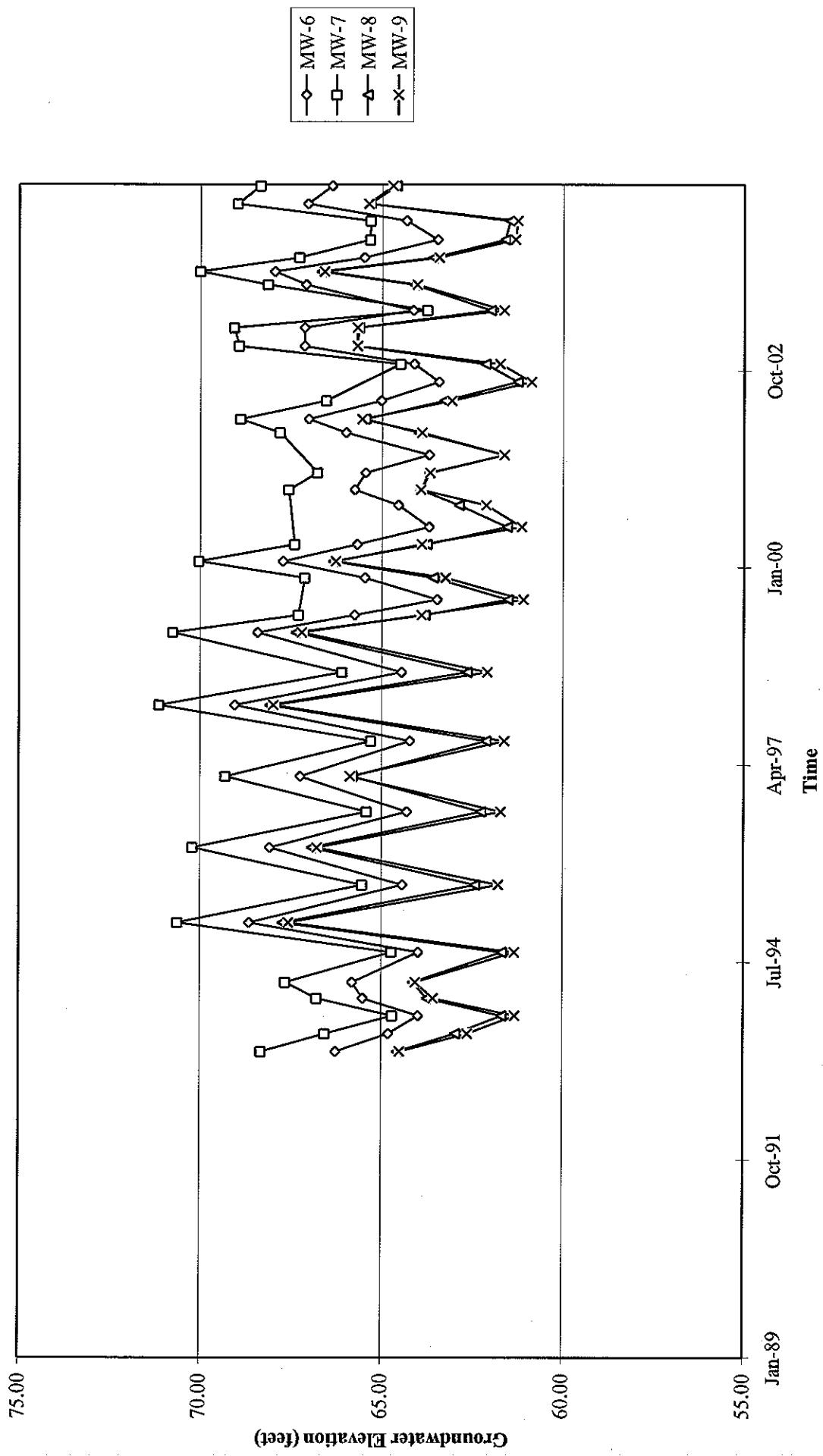
Groundwater Elevations vs. Time  
Bulk Plant 0220



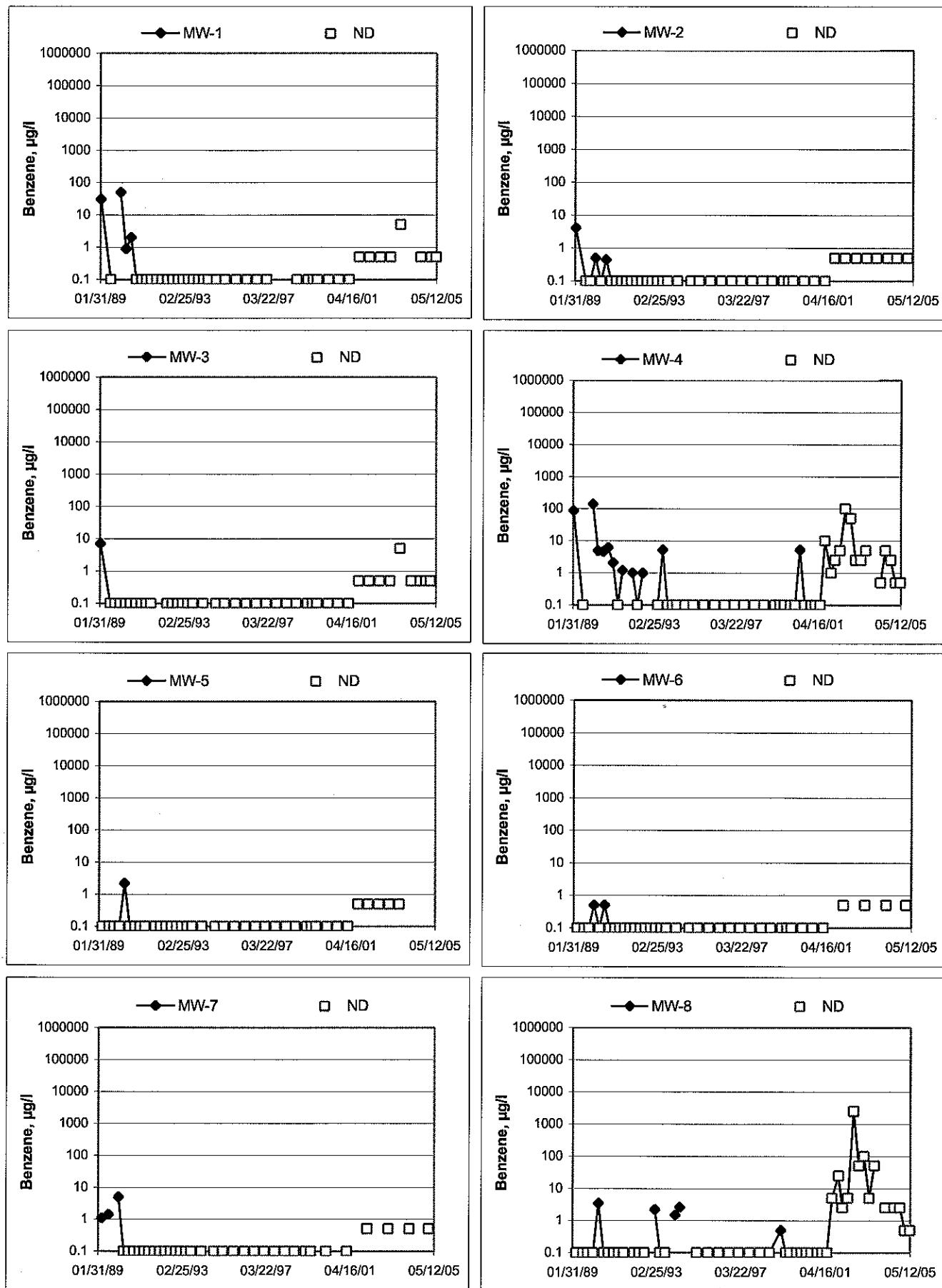
Groundwater Elevations vs. Time  
Bulk Plant 0220



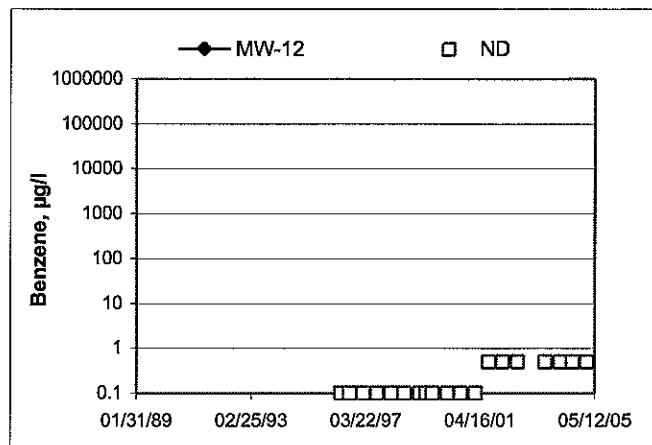
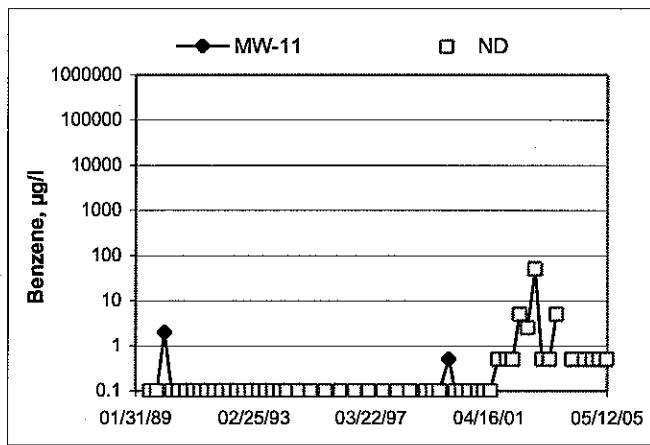
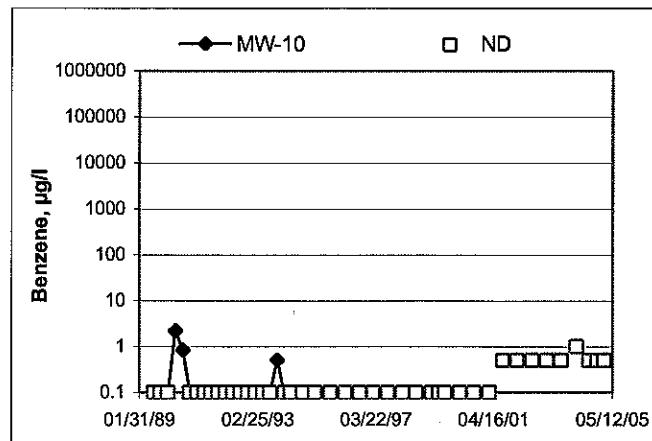
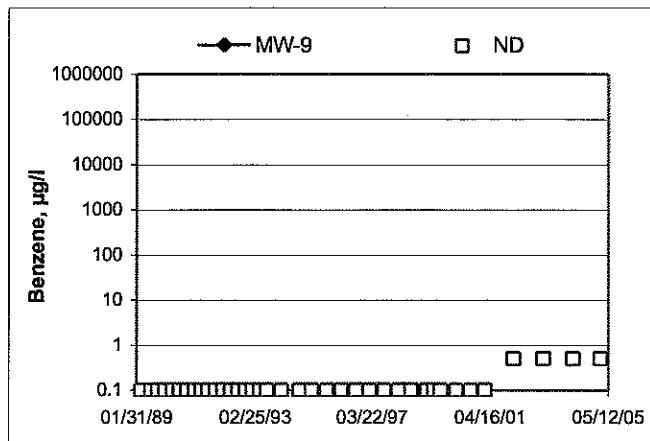
Groundwater Elevations vs. Time  
Bulk Plant 0220



**Benzene Concentrations vs Time**  
Bulk Plant 0220



**Benzene Concentrations vs Time**  
**Bulk Plant 0220**



## GENERAL FIELD PROCEDURES

### **Groundwater Monitoring and Sampling Assignments**

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

### **Fluid Level Measurements**

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

### **Purging and Groundwater Parameter Measurement**

TSR instructions may specify that a well not be purged (no -purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

### **Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable,  $\frac{1}{2}$ -inch to 4-inch polyethylene bottom -fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon -sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state -certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain -of-custody form in order to provide instructions to the laboratory. The chain -of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low -flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

### **Sequence of Gauging, Purging, and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least -affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least -affected well to the most -affected well.

### **Decontamination**

In order to reduce the possibility of cross -contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui -nox and water and rinsing twice. The final rinse is in deionized water.

### **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

## FIELD MONITORING DATA SHEET

Technician: Anthony/Rick Job #/Task #: 41050001/FA20 Date: 05-05-05

Date: 05-05-05

Site # 0220

## Project Manager

Page 1 of 6

Page 1 of 1

## GROUNDWATER SAMPLING FIELD NOTES

Technician:

ER SAMPLING FIELD  
*Anthony*

Site: 0220

Project No.:

Project No.: 41050001

Date: 03-03-03

Well No.: MW-11

Purge Method: \_\_\_\_\_

Depth to Water (feet): 9.92

Depth to Product (feet): 0

Total Depth (feet): 19.168

LPH & Water Recovered (gallons): 0

Water Column (feet) 9.76

Casing Diameter (Inches): 2

80% Roachage Depth (feet): 11.87

1 Well Volume (gallons): 2

Well No.: MW-12

Purge Method: \_\_\_\_\_

Depth to Water (feet): 10, 11

Depth to Product (feet): 0

Total Depth (feet): 19.26

LPH & Water Recovered (gallons): 0

Water Column (feet):

Casing Diameter (Inches): 2"

## ~~GROUNDWATER SAMPLING FIELD NOTES~~

**Technician:**

Project No.:

Date: 05-05-05

Site: 0220

Well No.: MW-9

Depth to Water (feet): 11.95

Total Depth (feet): 18.91

Water Column (feet): 6.96

80% Recharge Depth (feet): 13.34

Purge Method: \_\_\_\_\_

Depth to Product (feet): 0

I PH & Water Recovered (gallons): 0

Casing Diameter (inches): 2"

Well No.: MW-1

Depth to Water (feet): 11.43

Total Depth (feet): 21.00

Water Column (feet): 9.57

80% Recharge Depth (feet): 133 4

Purge Method: \_\_\_\_\_

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2"

## GROUNDWATER SAMPLING FIELD NOTES

Technician:

Anthony

Project No.:

405000

Date: 03-03

Site: \_\_\_\_\_

Well No.: MW-8

Depth to Water (feet): 9.97

Total Depth (feet): 15.64

Water Column (feet): 5.67

80% Beaumaris Depth (feet): 14-10

Purge Method: \_\_\_\_\_

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2

1 Well Volume (gallons): \_\_\_\_\_

Well No.: MW-9

Depth to Water (feet): 8.61

Total Depth (feet): 18.87

Water Column (feet): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

### Purge Method:

Depth to Product (feet): 6

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2"

1 Well Volume (gallons): \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD NOTES

Site: 0220

Technician:

Project No.:

Date: 05-05-05

Well No.: MW-3

Depth to Water (feet): 11.38

Total Depth (feet): 22.01

Water Column (feet): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Product (feet): 0

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2"

Well No.: *mr-6*

Depth to Water (feet): 9.96

Total Depth (feet): 18-26

Water Column (feet): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Product (feet): 8

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 2

1 Well Volume (gallons): \_\_\_\_\_

## GROUNDWATER SAMPLING FIELD NOTES

Site: 0220

**Technician:**

Project No. 1

Anthony

41050001

Date: 03-03-05

Well No.: NW-10

Purge Method: \_\_\_\_\_

Depth to Water (feet): 9.33

Depth to Product (feet): 0

Total Depth (feet): 19.37

LPH & Water Recovered (gallons):

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): 2

Well No.: MW-7

Purge Method: \_\_\_\_\_

Depth to Water (feet): 9.56

Depth to Product (feet): 6

Total Depth (feet): 18.15

LPH & Water Recovered (gallons): 0

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): 2"

## GROUNDWATER SAMPLING FIELD NOTES

Site: 0220

**Technician:**

Project No.:  
\_\_\_\_\_

Date: 05-05-05

Well No.: MW-2

Purge Method: \_\_\_\_\_

Depth to Water (feet): 11.41

Depth to Product (feet): 0

Total Depth (feet): 25.46

I PH & Water Recovered (gallons): 0

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): 7

80% Recharge Depth (feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

Well No.: \_\_\_\_\_

Purge Method: \_\_\_\_\_

**Depth to Water (feet):** \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

**TRC Alton Geoscience- Irvine**

May 25, 2005

21 Technology Drive  
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips # 0220

Site: 720 N. Franklin St. Fort Bragg

Attached is our report for your samples received on 05/09/2005 10:50

This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
06/23/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma  
Project Manager

**Gas/BTEX/MTBE by 8260B**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-8	05/05/2005 11:28	Water	1
MW-11	05/05/2005 11:46	Water	2
MW-4	05/05/2005 11:16	Water	3
MW-1	05/05/2005 11:07	Water	4

**Gas/BTEX/MTBE by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-8	Lab ID:	2005-05-0264 - 1
Sampled:	05/05/2005 11:28	Extracted:	5/17/2005 15:56
Matrix:	Water	QC Batch#:	2005/05/17-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	1500	50	ug/L	1.00	05/17/2005 15:56	Q1
Benzene	ND	0.50	ug/L	1.00	05/17/2005 15:56	
Toluene	ND	0.50	ug/L	1.00	05/17/2005 15:56	
Ethylbenzene	ND	0.50	ug/L	1.00	05/17/2005 15:56	
Total xylenes	ND	1.0	ug/L	1.00	05/17/2005 15:56	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/17/2005 15:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.8	73-130	%	1.00	05/17/2005 15:56	
Toluene-d8	105.6	81-114	%	1.00	05/17/2005 15:56	

**Gas/BTEX/MTBE by 8260B**

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21 Technology Drive  
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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11	Lab ID:	2005-05-0264 - 2
Sampled:	05/05/2005 11:46	Extracted:	5/17/2005 15:33
Matrix:	Water	QC Batch#:	2005/05/17-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/17/2005 15:33	Q6
Benzene	ND	0.50	ug/L	1.00	05/17/2005 15:33	
Toluene	ND	0.50	ug/L	1.00	05/17/2005 15:33	
Ethylbenzene	ND	0.50	ug/L	1.00	05/17/2005 15:33	
Total xylenes	ND	1.0	ug/L	1.00	05/17/2005 15:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/17/2005 15:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.7	73-130	%	1.00	05/17/2005 15:33	
Toluene-d8	99.7	81-114	%	1.00	05/17/2005 15:33	

## Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-05-0264-3
Sampled:	05/05/2005 11:16	Extracted:	5/16/2005 19:07 5/17/2005 15:07
Matrix:	Water	QC Batch#:	2005/05/16-2A-68 2005/05/17-1B-07
Analysis Flag: L2 pH <2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	11000	500	ug/L	10.00	05/16/2005 19:07	Q1
Benzene	ND	0.50	ug/L	1.00	05/17/2005 15:07	
Toluene	ND	0.50	ug/L	1.00	05/17/2005 15:07	
Ethylbenzene	ND	0.50	ug/L	1.00	05/17/2005 15:07	
Total xylenes	ND	1.0	ug/L	1.00	05/17/2005 15:07	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10.00	05/16/2005 19:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.0	73-130	%	10.00	05/16/2005 19:07	
1,2-Dichloroethane-d4	109.2	73-130	%	1.00	05/17/2005 15:07	
Toluene-d8	94.1	81-114	%	10.00	05/16/2005 19:07	
Toluene-d8	114.1	81-114	%	1.00	05/17/2005 15:07	S7

## Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine

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Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-05-0264 - 4
Sampled:	05/05/2005 11:07	Extracted:	5/16/2005 17:20
Matrix:	Water	QC Batch#:	2005/05/16-2A-68
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	200	50	ug/L	1.00	05/16/2005 17:20	Q1
Benzene	ND	0.50	ug/L	1.00	05/16/2005 17:20	
Toluene	ND	0.50	ug/L	1.00	05/16/2005 17:20	
Ethylbenzene	ND	0.50	ug/L	1.00	05/16/2005 17:20	
Total xylenes	ND	1.0	ug/L	1.00	05/16/2005 17:20	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/16/2005 17:20	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.4	73-130	%	1.00	05/16/2005 17:20	
Toluene-d8	92.9	81-114	%	1.00	05/16/2005 17:20	

**Gas/BTEX/MTBE by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank****Water****QC Batch # 2005/05/16-2A.68**

MB: 2005/05/16-2A.68-057

Date Extracted: 05/16/2005 15:57

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/16/2005 15:57	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/16/2005 15:57	
Benzene	ND	0.5	ug/L	05/16/2005 15:57	
Toluene	ND	0.5	ug/L	05/16/2005 15:57	
Ethylbenzene	ND	0.5	ug/L	05/16/2005 15:57	
Total xylenes	ND	1.0	ug/L	05/16/2005 15:57	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.8	73-130	%	05/16/2005 15:57	
Toluene-d8	89.4	81-114	%	05/16/2005 15:57	

## Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Batch QC Report						
Prep(s): 5030B				Test(s): 8260B		
Method Blank	Water			QC Batch # 2005/05/17-1B.07		
MB: 2005/05/17-1B.07-003				Date Extracted: 05/17/2005 09:59		
Compound	Conc.	RL	Unit	Analyzed	Flag	
Benzene	ND	0.5	ug/L	05/17/2005 09:59		
Toluene	ND	0.5	ug/L	05/17/2005 09:59		
Ethylbenzene	ND	0.5	ug/L	05/17/2005 09:59		
Total xylenes	ND	1.0	ug/L	05/17/2005 09:59		
Surrogates(s)						
1,2-Dichloroethane-d4	105.0	73-130	%	05/17/2005 09:59		
Toluene-d8	114.2	81-114	%	05/17/2005 09:59	S7	

**Gas/BTEX/MTBE by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

Water

**QC Batch # 2005/05/17-1B.64**

MB: 2005/05/17-1B.64-037

Date Extracted: 05/17/2005 07:37

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/17/2005 07:37	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/17/2005 07:37	
Benzene	ND	0.5	ug/L	05/17/2005 07:37	
Toluene	ND	0.5	ug/L	05/17/2005 07:37	
Ethylbenzene	ND	0.5	ug/L	05/17/2005 07:37	
Total xylenes	ND	1.0	ug/L	05/17/2005 07:37	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	106.6	73-130	%	05/17/2005 07:37	
Toluene-d8	105.0	81-114	%	05/17/2005 07:37	

**Gas/BTEX/MTBE by 8260B**

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Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
<b>Laboratory Control Spike</b>					<b>Water</b>				
LCS			Extracted: 05/16/2005			<b>QC Batch # 2005/05/16-2A-68</b>			
LCSD						Analyzed: 05/16/2005 15:40			

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.5		25	82.0		65-165	20			
Benzene	21.4		25	85.6		69-129	20			
Toluene	23.6		25	94.4		70-130	20			
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	404		500	80.8		73-130				
Toluene-d8	473		500	94.6		81-114				

**Gas/BTEX/MTBE by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike****Water****QC Batch # 2005/05/17-1B.07**

LCS 2005/05/17-1B.07-002

Extracted: 05/17/2005

Analyzed: 05/17/2005 09:29

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	49.9		25	99.8			69-129	20		
Toluene	53.9		25	107.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	513		500	102.6			73-130			
Toluene-d8	557		500	111.4			81-114			

**Gas/BTEX/MTBE by 8260B**

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Received: 05/09/2005 10:50

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Batch QC Report														
Prep(s): 5030B								Test(s): 8260B						
Laboratory Control Spike				Water				QC Batch # 2005/05/17-1B.64						
LCS	2005/05/17-1B.64-052				Extracted: 05/17/2005				Analyzed: 05/17/2005 06:52					
LCSD	2005/05/17-1B.64-015				Extracted: 05/17/2005				Analyzed: 05/17/2005 07:15					
Compound	Conc.		ug/L		Exp.Conc.		Recovery %		RPD	Ctrl.Limits %		Flags		
	LCS	LCSD			LCS	LCSD	%	Rec.	RPD	LCS	LCSD			
Methyl tert-butyl ether (MTBE)	24.7	24.4	25	98.8	97.6	1.2	65-165	20						
Benzene	23.3	23.0	25	93.2	92.0	1.3	69-129	20						
Toluene	27.0	25.9	25	108.0	103.6	4.2	70-130	20						
<b>Surrogates(s)</b>														
1,2-Dichloroethane-d4		495	515	500	99.0	103.0		73-130						
Toluene-d8		515	500	500	103.0	100.0		81-114						

**Gas/BTEX/MTBE by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike (MS / MSD )****Water****QC Batch # 2005/05/16-2A-68**

MW-1 >> MS

Lab ID: 2005-05-0264 - 004

MS: 2005/05/16-2A-68-037

Extracted: 05/16/2005

Analyzed: 05/16/2005 17:37

MSD: 2005/05/16-2A-68-058

Extracted: 05/16/2005

Analyzed: 05/16/2005 17:55

Dilution: 1.00

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.4	22.2	ND	25	93.6	88.8	5.3	65-165	20		
Benzene	24.2	23.7	ND	25	96.8	94.8	2.1	69-129	20		
Toluene	25.9	23.8	ND	25	103.6	95.2	8.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	420	417		500	83.9	83.4		73-130			
Toluene-d8	486	450		500	97.3	90.0		81-114			

**Gas/BTEX/MTBE by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s):	5030B	Test(s):	8260B
<b>Matrix Spike ( MS / MSD )</b>			
MS/MSD		Water	QC Batch # 2005/05/17-1B.07
MS:	2005/05/17-1B.07-011	Extracted: 05/17/2005	Lab ID: 2005-05-0263 - 004
MSD:	2005/05/17-1B.07-012	Extracted: 05/17/2005	Analyzed: 05/17/2005 14:06
			Dilution: 1.00
			Analyzed: 05/17/2005 14:37
			Dilution: 1.00

Compound	Conc.			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	58.7	61.3	ND	50	117.4	122.6	4.3	69-129	20		
Toluene	56.7	59.9	ND	50	113.4	119.8	5.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	561	563		500	112.2	112.6		73-130			
Toluene-d8	576	584		500	115.2	116.8		81-114		S7	S7

**Gas/BTEX/MTBE by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

<b>Batch QC Report</b>											
Prep(s):	5030B			Water	Test(s): 8260B						
<b>Matrix Spike ( MS / MSD )</b>				<b>Water</b>			<b>QC Batch # 2005/05/17-1B.64</b>				
MS/MSD							Lab ID:	2005-05-0301-001			
MS:	2005/05/17-1B.64-005			Extracted: 05/17/2005			Analyzed:	05/17/2005 11:05			
MSD:	2005/05/17-1B.64-028			Extracted: 05/17/2005			Dilution:	1.00			
							Analyzed:	05/17/2005 11:28			
							Dilution:	1.00			

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.9	23.8	0.637	25	101.1	95.2	6.0	65-165	20		
Benzene	23.8	23.3	0.574	25	92.9	93.2	0.3	69-129	20		
Toluene	27.0	25.5	ND	25	108.0	102.0	5.7	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	526	513		500	105.2	102.6		73-130			
Toluene-d8	515	505		500	103.0	101.0		81-114			

**Gas/BTEX/MTBE by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

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**Legend and Notes**

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**Sample Comment**

Lab ID: 2005-05-0264 -2

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 160 ug/L.

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

**Result Flag**

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

S7

Surrogate recoveries higher than acceptance limits.

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-8	05/05/2005 11:28	Water	1
MW-11	05/05/2005 11:46	Water	2
MW-4	05/05/2005 11:16	Water	3
MW-1	05/05/2005 11:07	Water	4

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-8	Lab ID:	2005-05-0264 - 1
Sampled:	05/05/2005 11:28	Extracted:	5/17/2005 09:54
Matrix:	Water	QC Batch#:	2005/05/17-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	13000	500	ug/L	10.00	05/20/2005 10:09	Q2
<b>Surrogate(s)</b> o-Terphenyl	NA	64-127	%	10.00	05/20/2005 10:09	S3

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	3511	Test(s):	8015M			
Sample ID:	MW-11	Lab ID:	2005-05-0264 - 2			
Sampled:	05/05/2005 11:46	Extracted:	5/17/2005 09:54			
Matrix:	Water	QC Batch#:	2005/05/17-02-10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	68	50	ug/L	1.00	05/20/2005 10:36	Q2
<b>Surrogate(s)</b>						
o-Terphenyl	117.1	64-127	%	1.00	05/20/2005 10:36	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-4	Lab ID:	2005-05-0264 - 3
Sampled:	05/05/2005 11:16	Extracted:	5/17/2005 09:54
Matrix:	Water	QC Batch#:	2005/05/17-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	18000	1000	ug/L	20.00	05/20/2005 11:03	Q2
<b>Surrogate(s)</b> o-Terphenyl	NA	64-127	%	20.00	05/20/2005 11:03	S3

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-1	Lab ID:	2005-05-0264 - 4
Sampled:	05/05/2005 11:07	Extracted:	5/17/2005 09:54
Matrix:	Water	QC Batch#:	2005/05/17-02:10
Compound		Conc.	RL
Diesel		230	50
<b>Surrogate(s)</b>			
o-Terphenyl	115.8	64-127	%
Dilution			Analyzed
1.00			05/20/2005 11:30
Flag			Q2

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 3511

Test(s): 8015M

**Method Blank****Water****QC Batch # 2005/05/17-02:10**

MB: 2005/05/17-02:10-001

Date Extracted: 05/17/2005 09:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	05/17/2005 13:18	
<b>Surrogates(s)</b> o-Terphenyl	115.1	64-127	%	05/17/2005 13:18	

**Diesel**

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Project: 41050001FA20  
Conoco Phillips # 0220

Received: 05/09/2005 10:50

Site: 720 N. Franklin St. Fort Bragg

**Batch QC Report**

Prep(s): 3511

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2005/05/17-02:10**

LCS 2005/05/17-02:10-002

Extracted: 05/17/2005

Analyzed: 05/17/2005 13:45

LCSD 2005/05/17-02:10-003

Extracted: 05/17/2005

Analyzed: 05/17/2005 14:12

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %	Flags			
	LCS	LCSD		LCS	LCSD			Rec.	RPD	LCS	LCSD
Diesel	459	478	680	67.5	70.3	4.1	60-150	25			
<b>Surrogates(s)</b> o-Terphenyl	1.16	1.23	1.25	93.1	98.5		64-127	0			

**Diesel**

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**Legend and Notes**

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**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

S3

Surrogate recovery not reportable due to required dilution.



## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.